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METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1923

Comprising the results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

Published by the authority of the

METEOROLOGICAL COMMITTEE

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5. CHARTS OF MARINE METEOROLOGY (*see complete list*).
6. PUBLICATIONS OF RESEARCHES.

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Barometer Manual for the use of Seamen. A Textbook of Marine Meteorology. With an Appendix on the Thermometer, Hygrometer and Hydrometer. 10th edition. 1925. (No. 61.) (8vo.) 1s. 6d. Postage 2½d.

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Section II, Subsection I. The Computation of Wind Components from Observations of Pilot Balloons and Shell Bursts. 1920. 2s. Postage 1d.
Subsection II. Computation of Height and Temperature by means of Registering Balloons.
Subsection III. The Dynamics of the Upper Air.
Subsection IV. Tables for the Estimation of Geostrophic Winds.
Subsections II, III and IV in one cover. (*Out of print.*)
Section V, Subsections 1 and 2. Computations related to the Theory of Probabilities. Errors of Observations and Correlation. (*Out of print.*)
Subsection 3. A Collection of Correlation Coefficients from Meteorological Papers and a Note on the Partial Correlation Co-efficient. 1919. 4s. Postage 1½d.

Hygrometric Tables for the Computation of Relative Humidity, Vapour Pressure and Dew Point from Readings of Dry and Wet Bulb Thermometers exposed in Stevenson Screens. (No. 265. 1924.) (8vo.) 1s. 6d. Postage ½d.

International Codex of Resolutions adopted at Congresses, Conferences, and at Meetings of the Permanent International Meteorological Committee. 1872–1907. (No. 200. 1909.) (8vo.) 1s. 3d. Postage 1½d.

Marine Observer's Handbook. (No. 218.) 3rd edition, 1922. (8vo.) 5s. Postage 2d.

Meteorological Corrections for the use of Gunners. Notes on. By D. Brunt, M.A., and J. Durward, M.A. (No. 241. 1921.) (8vo.) 3d. Postage ½d.

Meteorological Glossary (continuation of the **Weather Map,** *q.v.*). 4th issue. 1918. (No. 225ii.) Royal 16mo.) 1s. Postage 2½d.

Meteorological Observer's Handbook. Approved for the use of Meteorological Observers by the Meteorological Office and the Royal Meteorological Society. 1926 edition. (No. 191.) (8vo.) 5s. Postage 3½d.
Supplement No. 1. Instructions for Meteorological Telegraphy. (No. 191/1.) (8vo.) (*In the press.*)

1. HANDBOOKS, TEXTBOOKS, TABLES—*contd.*

Meteorological Reports issued by Wireless Telegraphy in Great Britain and by the Countries of Europe and North Africa 4th edition, 1926. (No. 252.) (8vo.) 4s. 0d. Postage 2½d.
(*Supplements issued as necessary and priced separately.*)

Meteorology, Elementary. A Short Course in. By W. H. Pick, B.Sc. (2nd Edition, 1926) (No. 247. 1921.) (8vo.) 1s. 6d. Postage 2½d.

New International Code for Meteorological Messages. Reprint of Section IV of No. 252. (No. 253. 1922.) (8vo.) 4d. Postage ½d.

Observer's Primer, being Short Instructions in the Method of Taking and Reporting Readings of Temperature and Rainfall, specially prepared for Meteorological Observers in the British Colonies. (No. 266. 1924.) (8vo.) 6d. Postage ½d.

Priced Vocabulary of Meteorological Stores. (No. 268. 1924.) (*Not on sale.*)

Seaman's Handbook of Meteorology. A Companion to the Barometer Manual for the use of Seamen. 3rd edition. 1917. (No. 215.) (8vo.) 3s. 6d. Postage 2d.

Stevenson Thermometer Screen in accordance with the Specification drawn up by a Committee of the Royal Meteorological Society. Instructions for making. (Form 63. 1922.) (8vo.) (*Out of print.*)

Tables for the Reduction of Meteorological Observations. Published by the Indian Meteorological Department. Includes Tables for finding the Absolute and Relative Humidities from Readings of Wet and Dry Bulb Thermometers. (4to.) 2s. Postage 5d.

Tropical Africa. Hints to Meteorological Observers in. With Instructions for taking Observations, and Notes on Methods of recording Lake Levels. 2nd edition. Revised 1907. (No. 162.) (8vo.) 9d. Postage 1d.

Weather Forecasting for Seamen, in the Eastern North Atlantic and Home Waters. By Commander L. A. Brooke-Smith, R.D., R.N.R. (No. 246. 1921.) (8vo.) 6d. Postage 1d.

Weather Forecasts Transmitted by Telegraphy or Radio-telegraphy. Forecast Code for the Abbreviation of. (No. 244. 1922.) (8vo.) 1s. Postage 1d.

Weather Map. An introduction to Modern Meteorology. By Sir Napier Shaw, F.R.S. 6th issue. 1925. (No. 225i.) (Royal 16mo.) 1s. 3d. Postage 1½d. (*See also* **Meteorological Glossary,** *in continuation of the* Weather Map.)

Weather of the British Coasts. (No. 230. 1918.) (8vo.) 4s. 6d. Postage 4d.

Wireless Weather Manual, being a Guide to the Reception and Interpretation of Weather Reports and Forecasts distributed by Wireless Telegraphy in Great Britain. (No. 255. 1922.) (8vo.) 9d. Postage ½d.
(*Supplements issued as necessary and priced separately.*)

2. JOURNALS.

Marine Observer. Commencing January, 1924, in substitution for the monthly issues of Meteorological Charts of the North Atlantic Ocean and East Indian Seas. (No. 262.) 12½ in. by 9½ in.) Published monthly. 2s. Postage 2d.
(*Annual subscription,* 25s. *post free.*)

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Air Ministry

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METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1923

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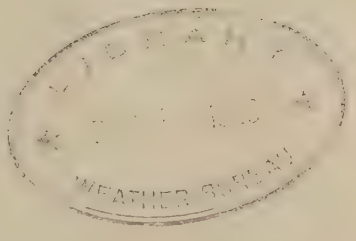

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TABLE OF CONTENTS.

TABLE		PAGE
	Preface	3
	Table of Contents	4
	List of Illustrations	9
	Errata to 1922	9
	List of Observatories with Geographical Positions and Heights	10
	General Introduction to the Meteorological Tables	11
	LERWICK OBSERVATORY.	
	Introduction	21
	Terrestrial Magnetism.	
1	Range of Mean Diurnal Inequalities	29
2	Average Departure from Daily Mean	29
3	Monthly Values of Non-Cyclic Change	29
4	Absolute Range of Declination: Daily Values and Monthly Means	29
5	Mean Monthly and Annual Values of Magnetic Elements	29
6–8	Diurnal Inequalities: Declination; Monthly, Annual, and Seasonal Means for each Hour	30
9–11	Diurnal Inequalities: Horizontal Force; Monthly, Annual, and Seasonal Means for each Hour	31
	Aurora.	
12	Auroral Log	32
	ABERDEEN OBSERVATORY.	
	Introduction	34
	Meteorology.	
	Pressure.	
13–24	Hourly Readings; Hourly and Daily Means	37
25	Annual Means of Hourly Values	43
26	Monthly Means and Diurnal Inequalities	43
27	Daily Extremes	43
	Temperature.	
28–39	Hourly Readings; Hourly and Daily Means	44
40	Annual Means of Hourly Values	50
41	Monthly Means and Diurnal Inequalities	50
42	Daily Extremes	50
	Humidity.	
43–54	Hourly Values of Relative Humidity; Hourly, Daily and Monthly Means of Relative Humidity and Vapour Pressure	51
55	Annual Means of Hourly Values of Relative Humidity and Vapour Pressure	57
56	Monthly Means and Diurnal Inequalities of Relative Humidity	57
	Rainfall.	
57	Annual Totals of Hourly Values of Amount and Duration	57
58	Notes on Rainfall for the Year	57
59–70	Hourly Amounts; Hourly, Daily and Monthly Totals of Amount and Duration	58
	Sunshine.	
71–82	Hourly Readings: Hourly, Daily and Monthly Totals	64
82	Annual Totals and Means of Hourly Readings	69

ABERDEEN OBSERVATORY—*continued.*

TABLE		PAGE
	Wind, Speed and Direction.	
83–94	Hourly Readings: Hourly, Daily and Monthly Means of Wind Speed ..	70
95	Highest Instantaneous Wind Speed recorded each Day by the Dines Tube Anemograph	82
96	Distribution of Wind Speed: Extreme Velocities	82
	Ground Temperature.	
97	Daily Readings, Monthly Means	83
	Night Minimum Temperature on the grass.	
98	Daily Readings, Monthly Means	83
	Diary of Cloud and Weather.	
99–110	Daily Observations of Cloud and Weather..	84

ESKDALEMUIR OBSERVATORY.

Introduction 93

METEOROLOGY.

	Pressure.	
111–125	Hourly Readings; Hourly and Daily Means; Annual Means of Hourly Values; Monthly Means and Diurnal Inequalities; Daily Extremes	121
	Temperature.	
126–140	Hourly Readings; Hourly and Daily Means; Annual Means of Hourly Values; Monthly Means and Diurnal Inequalities; Daily Extremes	128
	Humidity.	
141–154	Hourly Values of Relative Humidity; Hourly, Daily and Monthly Means of Relative Humidity and Vapour Pressure; Annual Means of Hourly Values of Relative Humidity and Vapour Pressure; Monthly Means and Diurnal Inequalities of Relative Humidity	135
	Rainfall.	
155–168	Annual Totals of Hourly Values—Amount and Duration; Notes on Rainfall for the Year; Hourly Amounts: Hourly, Daily and Monthly Totals of Amount and Duration	141
	Sunshine.	
169–180	Hourly Readings: Hourly, Daily and Monthly Totals; Annual Totals and Means of Hourly Readings	148
	Solar Radiation.	
169–180	Measurements of Radiation by Ångström Pyrheliometer	148
	Wind, Speed and Direction.	
181–192	Hourly Readings; Hourly, Daily and Monthly Means of Wind Speed ..	154
193	Highest Instantaneous Wind Speed recorded each day by the Dines Tube Anemograph	166
194	Distribution of Wind Speed; Extreme Velocities	166
	Night Minimum Temperature on the grass.	
195	Daily Readings; Monthly Means	167
	Diary of Cloud and Weather.	
196–207	Daily Observations	168

ESKDALEMUIR OBSERVATORY—*continued.*

TABLE		PAGE
	ATMOSPHERIC ELECTRICITY.	
	Potential Gradient.	
208	Daily Values at 3h, 9h, 15h and 21h ; Monthly Means	174
209	Diurnal Inequalities (0*a* Days only)	176
210	Diurnal Inequalities (1*a* and 2*a* Days only)	176
210A	Electric Character Figures ; Daily Values and Monthly Means	177
	TERRESTRIAL MAGNETISM.	
211–258	Hourly Values of North, West and Vertical Components ; Hourly, Daily and Monthly Means	178
	Daily Extremes and Range ; Monthly Means	179
	Magnetic Character Figures ; Daily Values and Monthly Means	179
	Temperature in Magnet House ; Daily Observations and Monthly Means	179
259–276	Diurnal Inequalities ; North, West and Vertical Components, Declination, Inclination, and Horizontal Force, Monthly, Annual and Seasonal Means for each hour	202
277	Monthly, Annual and Seasonal Range	208
278	Monthly Values of Non-Cyclic Change of North, West and Vertical Components	208
279	Monthly Mean Values of the Squares of the Absolute Daily Ranges	208
280	Mean Monthly and Annual Values of Magnetic Elements	208
281–282	Harmonic Components of the Diurnal Inequality	209
	SEISMOLOGY.	
283	Seismological Diary	210
284	Microseisms	216

CAHIRCIVEEN (VALENCIA OBSERVATORY).

	Introduction. Table of Magnetic Results	221
	METEOROLOGY.	
	Pressure.	
285–299	Hourly Readings ; Hourly and Daily Means ; Annual Means of Hourly Values ; Monthly Means and Diurnal Inequalities ; Daily Extremes	231
	Temperature.	
300–314	Hourly Readings ; Hourly and Daily Means ; Annual Means of Hourly Values ; Monthly Means and Diurnal Inequalities ; Daily Extremes	238
	Humidity.	
315–328	Hourly Values of Relative Humidity ; Hourly, Daily and Monthly Means of Relative Humidity and Vapour Pressure ; Monthly Means and Diurnal Inequalities of Relative Humidity	245
	Rainfall.	
329–342	Annual Totals of Hourly Values—Amount and Duration ; Notes on Rainfall for the Year ; Hourly Amounts ; Hourly, Daily and Monthly Totals of Amounts and Duration	251
	Sunshine.	
343–354	Hourly Readings ; Hourly, Daily and Monthly Totals ; Annual Totals and Means of Hourly Readings	258
	Wind Speed and Direction.	
355–366	Hourly Readings ; Hourly, Daily and Monthly Means of Wind Speed	264
367	Highest Instantaneous Wind Speed recorded each day by the Dines Tube Anemograph	276
368	Distribution of Wind Speed ; Extreme Velocities	276
	Night Minimum Temperature on the grass.	
369	Daily Readings, Monthly Means	277
	Diary of Cloud and Weather.	
370–381	Daily Observations	278

RICHMOND (KEW OBSERVATORY).

TABLE		PAGE
	Introduction	286
	METEOROLOGY.	
	Pressure.	
382–396	Hourly Readings ; Hourly and Daily Means ; Annual Means of Hourly Values ; Monthly Means and Diurnal Inequalities ; Daily Extremes	305
	Temperature.	
397–411	Hourly Readings ; Hourly and Daily Means ; Annual Means of Hourly Values ; Monthly Means and Diurnal Inequalities ; Daily Extremes	312
	Humidity.	
412–425	Hourly Values of Relative Humidity ; Hourly, Daily and Monthly Means of Relative Humidity and Vapour Pressure ; Annual Means of Hourly Values of Relative Humidity and Vapour Pressure ; Monthly Means and Diurnal Inequalities of Relative Humidity	319
	Rainfall.	
426–439	Annual Totals of Hourly Values—Amount and Duration ; Notes on Rainfall for the Year ; Hourly Amounts ; Hourly, Daily and Monthly Totals of Amount and Duration	325
	Sunshine.	
440–451	Hourly Readings ; Hourly, Daily and Monthly Totals ; Annual Totals and Means of Hourly Readings	332
	Solar Radiation.	
440–451	Measurements of Radiation by Ångström Pyrheliometer	332
	Wind Speed and Direction.	
452–463	Hourly Readings ; Hourly, Daily and Monthly Means of Wind Speed	338
464	Highest Instantaneous Wind Speed recorded each day by the Dines Tube Anemograph	350
465	Distribution of Wind Speed ; Extreme Velocities	350
	Ground Temperature.	
466	Daily Readings, Monthly Means	351
	Night Minimum Temperature on the grass.	
467	Daily Readings, Monthly Means	351
	Level of Underground Water.	
468	Daily and Monthly Means ; Extremes for each Month	351
	Diary of Cloud and Weather.	
469–480	Daily Observations	352
	ATMOSPHERIC ELECTRICITY.	
481	Electric Character Figure ; Absolute Observations of Air-Earth Current and of Ionic Charges ; Daily Values and Monthly Means	358
	Potential Gradient.	
482	Daily Values at 3h, 9h, 15h and 21h ; Monthly Means	359
483	Diurnal Inequalities ; Selected Quiet Days	361
	ATMOSPHERIC POLLUTION.	
	Results from Owens Atmospheric Pollution Recorder.	
484	Monthly, Annual and Seasonal Means for each Hour	361
485	Diurnal Inequalities	361

RICHMOND (KEW OBSERVATORY)—*continued.*

TABLE		PAGE
	TERRESTRIAL MAGNETISM.	
486–487	Diurnal Inequalities; Declination; Monthly, Annual and Seasonal Means	362
488	Diurnal Inequalities; Horizontal Force	362
489	Mean Monthly, Annual and Seasonal Values of Magnetic Elements, Range of Mean Diurnal Inequalities; Average Departure from Daily Mean	363
490	Magnetic Character Figures: Daily Values and Monthly Means	363
491	Monthly, Seasonal and Annual Values of Non-Cyclic Change	363
492–493	Mean Annual Values for Magnetic Observatories of the Globe	364
	BENSON OBSERVATORY.	
	Introduction	366
	SOUNDINGS WITH REGISTERING BALLOONS.	
494	Results of Upper Air Soundings	368
495	Notes on Soundings	368
496	Heights and Temperatures corresponding with Isobaric Surfaces	370
497	Pressures and Temperatures at given Heights	370
498	Lapse Rate of Temperature between given Heights	370

LIST OF ILLUSTRATIONS.

			To face p.
Fig. 1.	Lerwick Observatory.	Site Plan	22
„ 2.	„ „	Arrangement of magnetographs	22
„ 3.	„ „	General View from S.	23
„ 4.	„ „	Main Entrance and Front View (from N.W.)	23
„ 5.	„ „	Near View of Buildings and Meteorological Instruments (from S.E.)	23
„ 6.	Aberdeen Observatory.	Plan showing position of Observatory	34
„ 7.	„ „	Plan of College Buildings	34
„ 8.	„ „	Observatory Tower (from N.E.)	35
„ 9.	„ „	Stevenson Screen and Raingauge Enclosure	35
„ 10.	Eskdalemuir Observatory.	General View N.W. to N.E. from Main Building	94
„ 11.	„ „	Site Plan	94
„ 12.	„ „	General View from S.W.	95
„ 13.	„ „	View from West Magnetic Hut showing proximity of Superintendent's house to Anemograph	95
„ 14.	„ „	Dines Float Barograph	95
Plate I.	„ „	Diurnal Variation in the Components of Magnetic Force on quiet and disturbed days, 1923.	110
„ II.	„ „	Vector Diagrams illustrating Diurnal Variation in Magnetic Force on quiet and disturbed days, 1923	110
Fig. 15.	Cahirciveen (Valencia Observatory).	Site Plan	222
„ 16.	„ „ „	General View from N.	223
„ 17.	„ „ „	General View from W.	223
„ 18.	Richmond (Kew Observatory).	Site Plan	286
„ 19.	„ „ „	General View showing Raingauges and Instruments	287
„ 20	„ „ „	View from N. showing North Wall Screen	287

ERRATA TO VOLUME FOR 1922.

p. 13, line 15. Intensity of Gravity. *For* grams per second per second *read* centimetres per second per second.

p. 100. Table 103. July 5th. *For* 975·5 at 11h. *read* 075·5.
For 975·4 at Noon *read* 075·4.

p. 274. Table 370. March 13th. *For* 027·3 at 13h. *read* 207·3.
Table 371. April 24th. *For* i05·7 at 24h. *read* 005·7.

p. 275. Table 372. June 13th. *For* 061·0 at 16h. *read* 016·0.

p. 309. Table 441. In date column. *For* 11 and 12 (where repeated) *read* 14 and 15.

LIST OF OBSERVATORIES.

	Latitude.	Longitude.	G.M.T. of Local Mean Noon.	Height above M.S.L. in metres.
	° ′	° ′	h m	
Lerwick	60 8 N.	1 11 W.	12 5	81·7
Aberdeen	57 10 N.	2 6 W.	12 8	14·0
Eskdalemuir, Dumfries-shire	55 19 N.	3 12 W.	12 13	242·0
Valencia Observatory, Cahirciveen, Co. Kerry.	51 56 N.	10 15 W.	12 41	9·1
Kew Observatory, Richmond, Surrey ..	51 28 N.	0 19 W.	12 1	5·5
Benson, Oxfordshire	51 37 N.	1 7 W.	12 4	57

Notes.—(1) The height given is that of the site of the rain-gauge. The heights of other meteorological instruments are shown under the appropriate Tables.

(2) Values printed within brackets, ( ), in the following tables are obtained by interpolation.

(3) Daily Mean Values are computed as $1/24 \{\frac{1}{2} (0 + 24) + 1 + 2 + \ldots + 23\}$ where 0, 1, 2 . . . . 24 denote the tabulated values of the element for each of the hours of the day, 0 being the initial, and 24 the final midnight.

(4) The standard of time used throughout is Greenwich Mean Civil Time, except in the case of the element sunshine, for which Local Apparent Time is used.

(5) Maximum and Minimum Values are printed in heavy type.

(6) Monthly and annual normals of pressure, dry bulb temperature, relative humidity, wind speed and rainfall for each hour of the day and for the period of 45 years 1871–1915 are published for the observatories Aberdeen, Cahirciveen, Richmond and Falmouth in *Hourly Values from Autographic Records, 1917* (Part IV of the British Meteorological and Magnetic Year Book, 1917), and in previous volumes of that series. Corresponding normals of sunshine are also published there for the same observatories and for the period of 35 years 1881–1915.

For Eskdalemuir the same publications gives hourly averages for the months and for the year referred to the period 1911–1915.

GENERAL INTRODUCTION TO THE METEOROLOGICAL TABLES.

The elements dealt with in the following meteorological tables for the Observatories at Aberdeen, Eskdalemuir, Cahirciveen and Richmond are:—barometric pressure, air temperature, humidity, rainfall, sunshine, wind speed and direction, minimum night temperature on the grass, cloud and weather, and in some cases temperature in the ground, solar radiation and level of underground water.

The positions of the Observatories and the heights of the sites are given on p. 10.

Notes on the Instruments and Tabulation of the Records.

A detailed description of the barograph, thermograph, cup anemometer and Beckley raingauge used for obtaining the records of pressure, temperature, humidity, wind speed and direction,* and rainfall is given in the *Reports* of the Meteorological Office for the years 1867 and 1869; for a description of other instruments in use reference may be made to the *Observer's Handbook* and to the article on Meteorological Instruments in the *Dictionary of Applied Physics*, Vol. III. The following notes are supplementary and are given partly for reference and partly as containing information necessary for the interpretation of the tables.

Barometer.—The record of barometric pressure is obtained photographically from a mercurial barometer.

A beam of light is passed through the space between the surface of the column of mercury and the top of the tube, and, after passing through a diaphragm which reduces the width of the beam of light to a very narrow sharp line, is focussed upon a sheet of sensitised paper (ordinary "bromide" paper is employed) carried upon a cylinder which is rotated by clockwork and makes one revolution about its vertical axis in rather more than 48 hours.

The *barogram* is therefore a continuous photograph of this narrow vertical line, and appears as a horizontal ribbon, the depth of which is constantly varying with the rise or fall of the mercury in the tube of the barometer.

The expansion of a zinc rod is utilised to compensate for the effect of temperature upon the height of the barometric column; the arrangement produces mechanically a lengthening of the beam of light at its upper end as it becomes shortened at its lower extremity by the expansion of the mercury in the tube. A time-scale is recorded upon the barogram by means of a shutter actuated by the clock. This shutter cuts off the light for the space of four minutes every two hours, thus producing interruptions which appear as narrow white spaces on the record corresponding with known points of time. Until 1918 these time-breaks occurred at the even hours, 2h, 4h, 6h, etc., but it was found that when the edge of the record was not critically sharp owing to various causes, a systematic error was introduced when measuring the records, whereby the values at the even hours were slightly in excess of those at the odd hours where no time-break existed. From 1918 onwards the clock was so arranged that the time-breaks should occur half an hour before the even hours; by this means both even and odd hour-values are measured at points on the trace which are unaffected by any systematic difference.

Control readings of a standard barometer are taken three times a day by different observers so that any personal equation is probably eliminated. The control readings are first corrected for index error, temperature and gravity, and then compared with the corresponding readings of the barogram. The differences between the control readings and the corresponding tabulated values are then found and the mean correction derived therefrom is applied to all the tabulated values. This correction, known as the "residual correction," is so applied as to run smoothly throughout the whole length of each record—a period of 48 hours—and alterations in the amount of the correction occur, where necessary, in steps not exceeding 0·1 millibar.

* At Eskdalemuir wind speed and direction are recorded by a Dines tube anemograph (see p. 96).

The scale value of the barograms is found from a comparison of a series of such standard and curve readings. The indications of a curve are converted into numerical values by measuring the ordinates with a tabulating instrument, graduated according to the ascertained scale value.

Thermometers.—The air temperature data at each Observatory are derived from records obtained photographically from two mercurial thermometers. One thermometer is used as a dry-bulb and the other as a wet-bulb thermometer.

Each thermometer has a large cylindrical bulb four inches long and a very long stem. The latter is bent twice at right angles to enable the bulb to be exposed outside the building in a louvred screen attached to the north wall of the Observatory.* The column of mercury in the vertical portion of the stem inside the building is broken at a convenient point by a small air space which moves up or down the stem with rise or fall of temperature. The record is obtained by passing a reflected beam of light through the air space and photographing its image upon a moving sheet of "bromide" paper in the same manner as described in the case of the barometer. A base line is traced on the paper by a pencil of light passing through a small aperture in the brass frame carrying the recording thermometer. The time-scale is automatically recorded upon the curves, a time-break occurring half an hour before each even hour.

Two large standard thermometers with very open scales graduated in degrees absolute and having bulbs similar to those of the thermograph are mounted in the screen side by side and close to the thermograph bulbs. Control readings of these thermometers are made three times a day for comparison with the corresponding readings obtained from the thermograms.

The scale value of the curves is found by a comparison of the readings of the standard thermometers, corrected for any errors they may have, with the corresponding measurements of the curves. The curves are measured by means of a plate of glass ruled with lines corresponding with the ascertained scale-value of the record, both for degrees and for time. The scale is graduated so as to read degrees vertically and hours horizontally.

Two alternative methods of reading the curves have been adopted.

(a) At Kew and Valencia observatories the scale is set by the base-line and after hourly readings have been obtained for the whole record comparisons are made with the control readings. The residual correction so determined (normally the same for the whole record of 48 hours) is applied to the tabulations.

(b) At Aberdeen and Eskdalemuir observatories, the practice is to adjust the glass scale so that the readings at the control hours on the trace are made to show general agreement with the corresponding eye-readings of the standard thermometers. The temperature equivalent of any part of the curve can then be read off. The base line photographed on the record serves as a useful check.

Rainfall.—This element is recorded by a Beckley self-registering raingauge, in which the rain as it falls is collected in a receiver supported on a float in a vessel of mercury. As the rain passes into the receiver, the float gradually sinks, carrying with it a pen which records its position upon a paper stretched upon a clock-driven cylinder. The displacement of the mercury by the float is arranged so as to give an uniform scale throughout. When five millimetres (two-tenths of an inch) of rain have entered the receiver a siphon comes into action, and, by discharging its contents, causes the float to rise again till the pen is brought back to the zero line, from which the record begins again.

* At Eskdalemuir the screen stands in the open (see p. 95).

The collecting funnel of the Beckley raingauge has an area of approximately 100 square inches. Each gauge stands on level ground and its distance from every other object is greater than twice the height of the object. A check gauge with funnel 8 inches in diameter is installed near by.

The records obtained from the Beckley self-registering raingauge are subjected to a proportional correction whereby they are brought into agreement with the amount of rainfall as recorded by the check raingauge read twice daily.

Sunshine.—The record of sunshine is obtained from a Campbell-Stokes recorder, in which instrument the sun's rays are focussed through a 4-inch spherical lens of crown glass upon a strip of blue card, which is scorched, or burned right through, according to the intensity of the sun's rays. Three different patterns of card are used at different seasons of the year. The cards are exposed in a metal bowl, and the focussed image of the sun leaves its mark behind it as it travels along the surface of the card with the apparent motion of the sun through the heavens. The intensity of the burn is not measured, but the record is regarded as that of " bright " sunshine whenever the card has been distinctly scorched. In the case of intermittent burns, an allowance is made for the extension of the trace by the charring of the card.

Wind Speed and Direction.—Except at Eskdalemuir, the records of these elements are obtained by means of a Robinson cup-anemograph, with which a Beckley windmill-vane has been combined for giving the record of direction.

Speed.—The diameter of the cups for obtaining the speed of the wind is 9 inches (0·23 m.) and the length of the arms upon which they are carried is 2 feet (0·61 m.) so that the horizontal travel of a cup-centre when 7,000 revolutions of the cups have been made is, in round numbers, 88,000 feet (26,800 m.).

The revolutions of the cups are reduced by a suitable gearing of wheels so that this number of turns shall produce one complete turn of a spiral pencil, which makes a mark upon a sheet of metallic paper carried upon a clock-driven cylinder ; the pencil is so arranged that when the trace passes one extreme of the scale it recommences at the other.

Dr. Robinson concluded, as the result of a series of experiments made by him, that the rate of movement of the cup-centres was one-third of the horizontal movement of the wind current by which the cups were turned ; and as the instruments were constructed in accordance with this conclusion, the 7,000 turns of the cups mentioned above were regarded as indicating the passage of 50 miles (80·4 km.) of wind.

More recent investigations into the relation between the speed of the wind and the rate of movement of the cups have led to the conclusion that Dr. Robinson's factor, 3, is too large for anemometers of the dimensions indicated above, and that the correct mean value of the factor is 2·2. The larger factor 3, was employed in deducing the wind velocities published in the preceding volumes of this series up to that for 1904 ; the factor 2·2 was substituted for it from the beginning of the year 1905.

If it is desired to compare the wind speeds given in the volumes previous to 1905 with those of the present year it will be necessary to reduce the former by four-fifteenths, and convert into metres per second, which may readily be done by means of a suitable conversion table. (See *Computer's Handbook.* Introduction p. 54.) If the degree of accuracy required does not exceed 2 per cent., the tabulated values in miles per hour (factor 3) may be converted into metres per second (factor 2·2) simply by dividing by " 3."

The values of the hourly wind speed are means for periods of 60 minutes centered at the hours named. They have been given as recorded, no correction having been made for the effect of friction, which is of no importance except in the case of light winds, when it is doubtless different in the case of each instrument.

Direction.—The direction of the wind is recorded by a pencil similar to that which records the speed. Each printed value represents the general direction* for the 60 minutes centered at the hour named, as estimated from the anemogram.

Owing to the weight of some of its moving parts, the windmill-vane is undoubtedly sluggish in light airs, its records under these conditions being untrustworthy. All wind directions have, therefore, been omitted from the tables when the velocity was 1·5 metres per second or less.

Tube anemograph.—At Eskdalemuir the speed and direction of the wind are obtained from a Dines' Tube Anemograph, while at each of the observatories information regarding the highest instantaneous wind speed and the frequencies of winds of varying speeds is also obtained from instruments of this type.

The vane-head of the tube anemograph consists essentially of (*a*) a horizontal tube mounted in the vane and open at the end which faces the wind, and (*b*) a vertical annular tube, forming part of the vane support, connected to the outside air by means of small circular holes drilled symmetrically in rows around the outer wall of the tube. An increase of pressure is produced in the horizontal tube of the vane, while the wind blowing across the rows of circular holes in the annular tube gives rise therein to a diminution in pressure, the " suction " effect. In the recorder a float of sheet copper, placed in water contained in a cylindrical tank, is capable of upward and downward movement under the influence of the pressure and suction effects, which are communicated from the vane-head by suitable piping to the space inside and the space above the float respectively. The geometrical form of the internal surface of the float is such that displacement of the float from its zero position is proportional to the speed of the wind. To the float is attached a vertical spindle which projects upwards through the lid of the cylindrical tank and carries a suitable pen at its upper extremity. This pen records the movements of the float, and therefore the variations in wind speed, on a ruled chart carried by a drum which rotates once in 24 hours.

Minimum Night Temperature on the Grass.—For determining this temperature a minimum thermometer exposed freely over the surface of the grass is used. The thermometer is enclosed in an outer glass jacket which surrounds its stem, but leaves the spirit bulb freely exposed to the air. The thermometer is supported on two small Y-shaped pieces of wood so that it lies horizontally, with its bulb about one or two inches above the ground which is covered with short grass. When snow has fallen the thermometer is supported so as to lie just above the surface of the fallen snow, but not touching it.

The thermometer is laid out at 18h each day, having been kept in an upright position, bulb downwards, inside the Stevenson Screen during the daytime so that any spirit that may have condensed in the upper part of the stem may be able to run down and join the main spirit column.

Notes on the Tables.

Standard of Time.—The observations are referred to *Greenwich Mean Time* except as regards sunshine, for which element *local apparent time* is used.

Units.—In accordance with the practice introduced in 1911, as a consequence of certain resolutions of the Gassiot Committee of the Royal Society, the values in the tables are expressed throughout in units based upon the C.G.S. System: tables for conversion to other units are given in the *British Meteorological and Magnetic Year Book* (*Part IV*) for 1913 and are also to be found in the *Computer's Handbook*.

* Formerly it was the practice to take the direction at the exact hour. The present rule was adopted as from 1st May, 1915 (see also Introduction to *Hourly Values from Autographic Records*, 1913, p. xv).

Daily Mean Values.—The daily means of pressure, temperature, relative humidity and wind speed are obtained by adding half the sum of the values for the initial and final midnights to the sum of the 23 intermediate hourly values and dividing by 24.

In the preparation of the tables of diurnal inequalities for individual months and for the year, it is assumed that the difference of value between the means for the initial and final midnights, which may be termed, so far as the hourly variations are concerned, the non-cyclic variation, is equally distributed over the whole 24-hour period. Thus, in a table of diurnal inequalities the entry d_n for the hour n is given by

$$d_n = x_n - \bar{x} - (n - 12)\ (x_{24} - x_0)/24.$$

x_n being the value of the element at hour n and $\bar{x}$ the mean for 24 hours.

Atmospheric Pressure.—All pressures recorded in this volume are expressed in *millibars*, one millibar being equal to 1000 dynes per square centimetre. The following are the values of physical constants used in evaluating the data :—

Density of Mercury = 13·5955 grams per cc. at 0°C.
Intensity of Gravity at Sea Level (Lat. 45°) = 980·617 centimetres per second per second.
1 inch = 25·4000 millimetres.

Hence 1000 millibars corresponds with a reading of 750·076 millimetres, on a mercury barometer at temperature 0°C. in Lat. 45°, or 29·5306 inches under standard conditions of temperature (mercury at freezing point, scale at 62°F.) in Lat. 45°.

As a millibar is a pressure, it can only be obtained from the reading of a barometer after the latter has been suitably corrected for

(*a*) index error,
(*b*) temperature,
(*c*) gravity.

All these corrections have therefore been applied to the barometer readings in obtaining the pressure values published in this volume. The corrections for temperature and latitude have been obtained from the *International Meteorological Tables.* (Gauthier-Villars, Paris).

Unless otherwise stated all pressure values refer to the level of the observatory as given in the headings of the tables. The reduction to Mean Sea Level, if made, has been calculated from tables prepared for each observatory from those given in the *International Meteorological Tables.*

The tables contain values of pressure at exact hours obtained from the photographic barograms in the manner described on p. 11 ; also daily, monthly and annual means of hourly values, together with the monthly and annual means of diurnal inequalities. Monthly and annual means of the hourly values after reduction to mean sea level are also given.

There is also a table showing the daily extremes of pressure, i.e. the maximum and minimum values recorded during each day.

Temperature.—The scale on which temperatures are recorded is such that the freezing point of water under atmospheric pressure is 273 a. precisely. Other temperatures differ by 273·0 from readings on the Centigrade scale.

The scale approximates to the absolute scale defined by Lord Kelvin, on which the temperature of the freezing point is 273·1 to the nearest tenth of a degree.* Accordingly, to convert temperatures published in this volume to the Kelvin scale, a correction + 0·1 is to be added to each reading.

As an alternative to the application of this correction, modified values may be used for the constants which enter certain formulæ. For example :—At temperature t on the scale adopted in the Year Book, the radiation according to Stefan's Law† is

$$5{\cdot}709 \times 10^{-5}\ (t + 0{\cdot}1)^4 \text{ erg./(cm.}^2 \text{ sec. deg.}^4) ;\quad \text{or } 5{\cdot}717 \times 10^{-5}\ t^4 \text{ erg./(cm.}^2 \text{ sec. deg.}^4)$$

In using the modified formulæ we are virtually adopting a scale of temperature with the degrees greater than those of the Centigrade scale, in the ratio of 273·1 to 273. This is the practice of the Computer's Handbook of the Meteorological Office.

* A. L. Day and R. B. Sosman, *Dict. of Applied Physics.* Macmillan, London, 1922. Vol. I, p. 840.

† 5·709 is the value which has been adopted by the International Research Council for publication in the International Critical Tables.

The tables give the values of temperature at exact hours obtained from the photographic thermograms ; also daily, monthly and annual means of hourly values, together with the monthly and annual means of diurnal inequalities. There is also a table showing the daily extremes of temperature.

Humidity.—When the temperature of the wet bulb is above 273a, values of relative humidity at exact hours are deduced from the corresponding values of dry and wet-bulb temperature obtained from the photographic thermograms, complete saturation being taken as 100. The tables employed in effecting the reductions appear in the *Computer's Handbook* (Section I). These tables are based on Glaisher's factors and make no allowance for the effect of the wind.

When the wet-bulb reading does not exceed 273a, the above method of reduction is not followed, but values of relative humidity are derived from the record of the hair hygrograph. To these values are applied appropriate corrections based on a comparison between the readings of the record of that instrument and the corresponding values of humidity computed from dry and wet-bulb readings during neighbouring periods when the wet-bulb readings exceed 273a.

Tables are printed giving the values of relative humidity at exact hours together with daily, monthly and annual means of hourly values. Means of vapour pressure computed from the corresponding mean values of temperature and relative humidity, together with monthly and annual means of diurnal inequalities of relative humidity, are also given.

Rainfall.—Tables are given showing for the 60 minute intervals between exact hours* the amount of precipitation, expressed in millimetres, derived from the record of the Beckley gauge (see p. 12). Totals of amount are given for each day, and for each month ; the latter totals referring both to the complete days of the month, and to each of the hours of the day. When zero rainfall is assigned to a particular hour, the entry appears as ". . .". Corresponding totals of duration of rainfall are also given, the duration being regarded as the number of hours during which rain falls at a rate of not less than 0·1 millimetre per hour. If slight precipitation, due to rain, snow, fog or dew, extends over some hours, and if the amounts collected in some or all of the hours are less than ·1 mm., the fact is indicated by a succession of entries, each of which is enclosed within brackets, covering the period over which precipitation is known or believed to have occurred. In such cases entries of (·1) are allocated evenly among the hours concerned in such a way that their sum is equal to the aggregate fall during the period, and the remaining entries are (. . .), (✳), (≡) or (⌓) according as the precipitation took the form of rain, snow, fog or dew. When it is impossible to determine the hourly amounts of precipitation, e.g. during snowfall or on occasions when the record has failed, the normal procedure is to consider each case on its merits, and to assign hourly values derived from estimates made by the observers as soon as possible after the event. Such values are also enclosed in brackets.

Annual totals of hourly amounts and duration and notes on special features of the rainfall of the year are also given.

Sunshine.—Tables are given showing for each of the 60-minute intervals between exact hours† according to *local apparent time*, from sunrise to sunset, the duration of bright sunshine recorded by the Campbell-Stokes instrument. The sums and means of hourly amounts are also given. For each day is shown the total duration of bright sunshine, and also the percentage this represents of the " possible " duration for the day. The " possible " for each day is computed as the period of time beginning and

* For the years 1904 to 1920 it was the practice to tabulate rainfall for the period of 60 minutes centered at the exact hours; the reversion to the method in use for 1903 *et ante* occurred on 1st January, 1921.

† Previous to 1st January, 1921, sunshine was tabulated for the period of 60 minutes centered at exact hours.

ending at the instants when the centre of the sun is apparently on the horizon, due allowance being made for atmospheric refraction. Even on a clear day the sun, when at an altitude less than $2\frac{1}{2}^\circ$ to 3° above the horizon, fails to make a scorch on the card of the Campbell-Stokes recorder.

A distinction is made in the tables between (*a*) sunshine not possible, and (*b*) sunshine possible but none recorded. If, in any hour, sunshine is not possible, the symbol "—" is used; if more than 3 minutes of "possible" sunshine falls in the 60-minute interval between exact hours according to local apparent time, and if no sunshine was recorded the symbol ". . ." is printed.

Wind.—Tables are printed giving the hourly values of wind speed and direction, together with the mean speed for each day, each hour and for the month. Values of speed are expressed in metres per second (1 metre per second = 2·2369 miles per hour): those of direction are given in degrees from true north. The values of direction and speed are averages for periods of sixty minutes, centered at the exact hours of Greenwich Mean Time.

For speeds not exceeding 1·5 m/s the wind directions are regarded as indeterminate and are omitted.

The daily values of the speed and time of occurrence of the maximum gust and the monthly distribution of wind derived from records from Tube Anemographs are shown in other tables.

Minimum Night Temperature on the Grass.—Values are given for each day of the year together with monthly mean values. The interval to which the reading refers is given at the top of the table. The reading is entered to the day of observation.

Diary of Cloud and Weather.—Tables are printed giving particulars of amount of cloud and of the weather at 7h, 9h, 13h, 15h, 18h, 21h daily, while cloud forms are shown for the three hours 7h, 13h, and 18h. The cloud forms are in accordance with the International classification and are indicated by the following abbreviations:—

Cirrus	Ci.
Cirro-Stratus	Ci-St.
Cirro-Cumulus	Ci-Cu.
Alto-Cumulus	A-Cu.
Alto-Stratus	A-St.
Strato-Cumulus	St-Cu.
Nimbus	Nb.
Cumulus	Cu.
Cumulo-Nimbus	Cu-Nb.
Stratus	St.
Stratus-cumuliformis	St-Cuf.
Fracto- (prefix, as in fracto-stratus)	Fr.-
-lenticularis (affix, as in stratus-lenticularis)	-lent.
Mammato-cumulus	M.-Cu.

The figure given for the amount of cloud denotes the proportion of sky covered by cloud: the numerical scale running from 0, cloudless, to 10, completely overcast. In the columns for form of cloud all the forms noted by the observer at the time of observation are printed where space permits. When the number of forms is too great to permit this, the predominating forms selected at the time of observation to give the best representation of the cloud canopy are printed. If high or medium cloud can be seen, one of the selected types is normally a high or medium cloud. The amounts of cloud given indicate, however, the total cloudiness irrespective of form. In the case of fog through which it is impossible to discern the sun or stars the cloud amount is entered as 10, but if cloud can be seen through the fog the form and amount are entered in the usual way. If the sun or stars are visible through fog and if there is no evidence of cloud above the fog the amount is entered as 0.

For the purposes of the summary of the weather for each day, contained in the "Remarks" column, it is usual to consider the day as divided into three portions,

viz., morning, afternoon and night, denoted by *a*, *p*, *n*, respectively, but it should be noted that no arrangements are made for regular eye observation of weather changes in the period 21h 30m to 6h 30m.

In the "Remarks" and "Weather" columns the entries consist very largely of International weather symbols and the letters of the Beaufort scale. These symbols and letters are as follows:—

Beaufort Notation and International Weather Symbols.

b		blue sky. (Cloud amount 0, 1, 2, 3.)
bc		some cloud. (Cloud amount 4, 5, 6.)
c		cloudy. (Cloud amount 7, 8.)
o		overcast. (Cloud amount 9, 10.)
g		gloomy, dull appearance.
u		ugly, threatening appearance.
v	()	visibility, unusually clear atmosphere.
z	∞	haze.
m	≡°	mist, light fog.
f	≡	fog.
fe	≡⋮	wet fog, i.e. fog which deposits water copiously on exposed surfaces.
w	⌓	dew.
x	⌴	hoar frost.
	←	ice crystals in the air.
	V	rime.
	~	glazed frost.
e		water deposited copiously on exposed surfaces, without rain falling.
y		dry air. (Relative humidity less than 60 per cent.).
p		passing showers.
d		drizzling rain.
r	●	rain.
s	*	snow.
rs	✱	sleet.
	⁺	drift snow.
	⊠	snow lying. (More than half the surrounding country covered with snow.)
h	▲	hail.
	△	soft hail.
t	⊤	thunder.
l	<	lightning.
tlr	⌐	thunderstorm.
	≈	gale.
q	.	squalls.
	⊕	solar corona.
	⊕	solar halo.
	∪	lunar corona.
	⊍	lunar halo.
	⌒	rainbow.
	Ш	aurora.
	◥	zodiacal light.
	⌒	mirage.

The letter *j* preceding a letter or symbol which denotes some form of precipitation, denotes that the precipitation is within sight, though not actually falling at the station. To indicate "intermittent" or "occasional" the prefix "i" is used.

The figure ^{0} attached to a symbol indicates slight, whilst the figure ^{2} indicates strong or heavy: thus $●^0$ slight rain, $●^2$ heavy rain. The gale symbol ≈ is normally used in this publication to indicate that the wind as recorded by the anemograph averaged at least 17·2 *m/s* for one or more "centred" hours. At Richmond (Kew Observatory) the symbol has been used with the word gust in brackets to indicate the occurrence of gusts reaching 17·2 *m/s*.

M.O. 279
(Lerwick)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1923

Comprising the results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

LERWICK

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1926

LERWICK OBSERVATORY.

Latitude	60° 8′ N.
Longitude	1° 11′ W.
G.M.T. of Local Mean Noon	12h 5m.
Height of Site above Sea-Level	From 80·5 metres.
	to 90·0 metres.

INTRODUCTION.

GENERAL REMARKS.

In 1919 the establishment of an observatory in the Shetlands was included in the programme of the Meteorological Office. A wireless station built in 1913 by the Admiralty and transferred after the war to the Post Office, but used by that Department only in case of emergency, offered suitable accommodation in the way of offices and living quarters. It proved possible to make an arrangement under which the Air Ministry, on condition of maintenance of wireless plant, has the use of the station as an observatory and of the wireless plant for the transmission of meteorological reports and time signals.

The Observatory was opened on the 7th June, 1921, when the first instalment of the instrumental equipment arrived. Later on in the same year the construction of a magnetograph house and of huts for absolute magnetic and auroral observations was commenced. The magnetograph house is a heavy concrete structure with walls 2 feet 6 inches (76 cm.) thick, of internal dimensions 16 feet by 10 feet (4·9 m. × 3 m.), and after construction several months had to elapse before the thick concrete walls and roof could be thoroughly dried and the recording instruments placed in position. These instruments, which are described below, consist of magnetographs recording magnetic declination and horizontal and vertical force. In addition, in order to obtain a record of the more minute changes in the vertical component of terrestrial magnetic force, a line of twin cable was laid in an approximately horizontal plane round Loch Trebister, the terminals of the cable being connected to a suitable galvanometer on which could be measured the current induced in the cable by changes in the vertical component of terrestrial magnetic force. The arrangement is similar to one in use at Eskdalemuir Observatory, but no records from either have yet been included in official publications.

Other instruments installed at the Observatory include barometers, barograph, hygrograph, psychrometers, nephoscope, raingauges (ordinary and self-recording), sunshine recorder and Dines tube anemograph. But meteorological observations have been restricted, and the time of the somewhat limited staff available has been devoted chiefly to magnetic work.

The first complete year of magnetic observations is 1923. Many instrumental difficulties have, however, been experienced and it has been decided to restrict publication to the monthly means extracted from the records, a summary of the absolute observations, and diurnal inequalities in declination and horizontal force.

The site and the work in Terrestrial Magnetism will now be described.

SITE.

The Observatory is situated on a ridge of high ground about a mile and a half (2·4 km.) to the south-west of Lerwick and adjoins the main road between Lerwick and Scalloway. The site slopes upward from west-north-west to east-south-east, the average height above M.S.L. being about 280 feet (85 metres). The ground to the east and south-east rises slightly for about ¼ mile (·4 km.) then slopes sharply down to the sea. In other directions there is a downward slope for about ¼ mile extending to the Loch of Trebister on the south-west, Sandy Loch to north-west, and to the

Burn of Sound to north-north-west; beyond these and distant about $\frac{3}{4}$ mile (1·2 km.) from the Observatory are small hills—Munger Hill to the south is about 320 feet (97 metres) above M.S.L., Shurton Hill to west-north-west rising to 576 feet (176 metres), and Stony Hill to the north about 400 feet (122 metres). In clear weather it is possible to see the Outer Skerries, $25\frac{1}{2}$ miles (41 km.) north-east by north, and Sumburgh Head, 20 miles (32 km.) south by west; the horizon in other directions is limited to a few miles.

The average depth of soil in the vicinity is about a foot, and outcrops of sandstone occur in many places. The surrounding country is barren and desolate, the only vegetation being coarse grass, stunted heather, and moss, with occasional patches of bare black peat. The Observatory ground is of a very uneven nature, and, owing to lack of proper drainage, is frequently water-logged; in winter it may be almost submerged for considerable periods. Views of the station are shown in Figs. 3, 4 and 5, and the arrangement of buildings and situation of instruments are set out on the site plan in Fig. 1.

TERRESTRIAL MAGNETISM.

Notes on Instruments.—Declination and horizontal force are recorded by the Adie magnetographs which were in use at Falmouth until 1912; the vertical force is recorded by an instrument designed by the late Prof. W. Watson, F.R.S. The set had been stored for several years, but was reconditioned by the makers and tested at Kew before being installed at Lerwick in November, 1922.

The declination magnet has a unifilar suspension, and the torsion correction is negligible. The scale value is constant for all positions of the light dot on the sheet; throughout the year it was 1 mm. of ordinate to 1·93 minutes of arc. In the horizontal force instrument the magnet is maintained in a position approximately perpendicular to the magnetic meridian by torsion of the bifilar suspension. The vertical force instrument is of similar construction to that in use at Eskdalemuir Observatory, but consists of only six magnets. Copper damping plates are fitted to each instrument and the recording mechanism is similar to that used at Eskdalemuir. The arrangement of the instruments in the magnetograph house is shown in Fig. 2.

The chief instrumental defects encountered during the year were:—

(*a*) A persistent tendency of the trace, in the case of the H force instrument, to drift away from its base-line.

(*b*) Unsteadiness of the vertical force system.

These troubles may have been largely due to the dampness of the magnetograph house, but although different types of driers were used they were not overcome during 1923. A new suspension was fitted to the horizontal instrument in November, but this also proved to be ineffectual in stopping the drift.

Adjustments to the horizontal and vertical force instruments were made on many occasions, and in consequence determinations of the scale values had to be taken frequently; the scale values have been assigned to periods between the discontinuities recorded, instead of for each month. The determinations are made by Broun's method, the deflecting magnet being placed in the "broadside on" position and at a distance of 55·9 cm. from the recording magnets. A larger deflection distance would render the error due to inequality of the distribution co-efficients for the H, D and V magnets less appreciable, but cannot be used owing to the restricted size of the magnetograph house. The double deflections produced are approximately 87 mm. for D, 98 mm. for H, and 59 mm. for V, giving scale values for the horizontal and vertical force instruments of about 7·2γ per mm. and 12γ per mm. respectively.

It is estimated that, in general, an accuracy to within 1 per cent. has been obtained in the scale values, but it has been impossible to assign scale values to a number of vertical force records owing to the erratic behaviour of the instrument.

The records of declination, horizontal force and vertical force have been tabulated hour by hour. The values are read off by means of graduated celluloid scales, a value being the mean reading for 60 minutes centering at the hour.

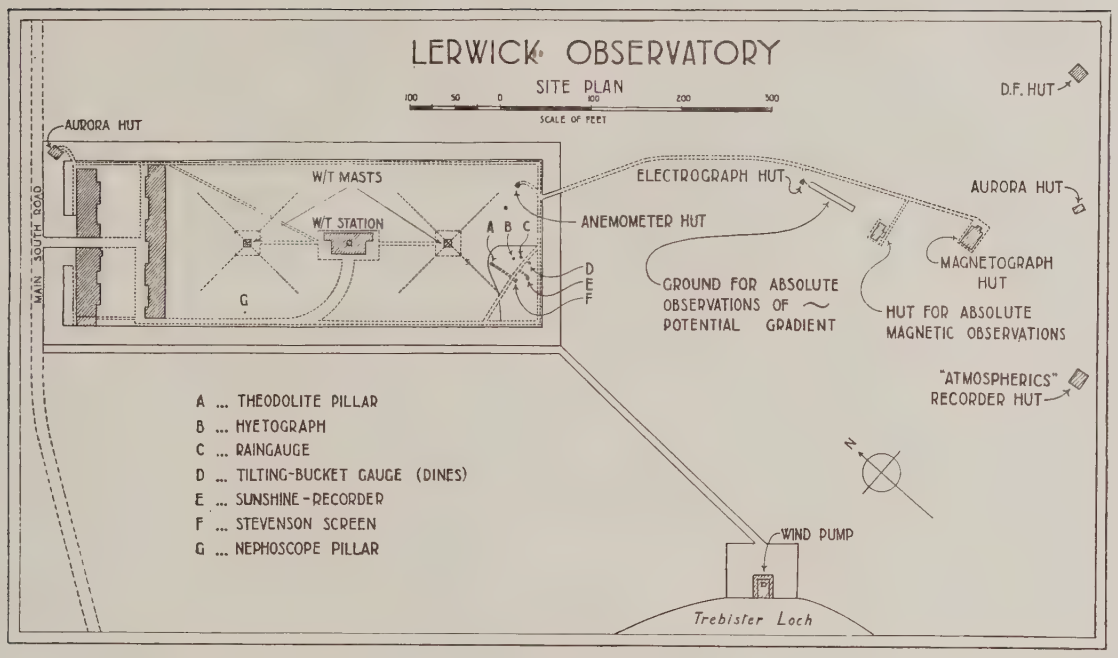

FIG. 1. SITE PLAN.

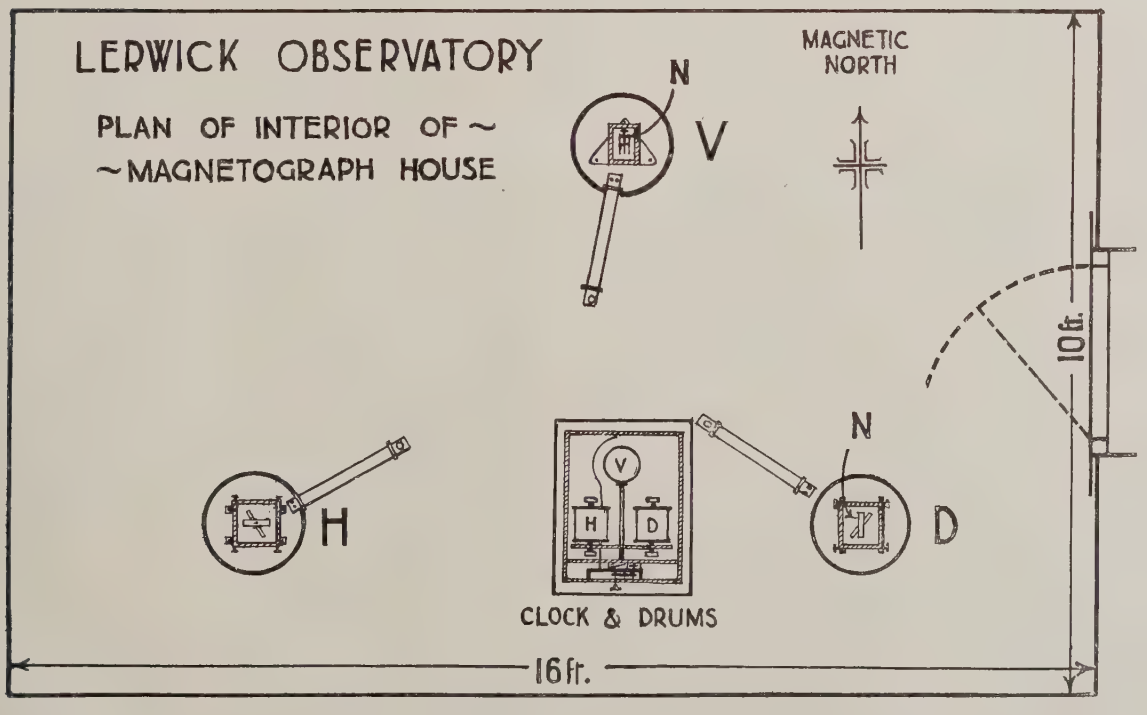

FIG. 2. ARRANGEMENT OF MAGNETOGRAPHS.

[*To face p.* 22.

FIG. 3. GENERAL VIEW FROM SOUTH.

FIG. 4. MAIN ENTRANCE AND FRONT VIEW (from N.W.)

FIG. 5. NEAR VIEW OF BUILDINGS AND METEOROLOGICAL INSTRUMENTS (from S.E.)

To face p. 23.]

Base values for the records are obtained from the results of absolute observations taken twice weekly. Horizontal force and declination are determined with Unifilar No. L 3951 (Cambridge Instrument Co.) using magnets 3951A and 3951C. The magnetometer is used on the centre pillar (No. 2) of the absolute hut, the azimuth of the fixed mark being taken as 8° 43′ 2″ east of south. Inclination is measured with Dover Circle No. 238 placed on the East pillar (No. 3), using $3\frac{1}{2}$ inch needles. In the deflection experiment three distances 25, 30 and 35 cm. are used, the P and Q corrections adopted for the year being as follows :—

P and Q used for.	Derived from Months.	Mean Value at 25 cm. of $\log_{10}(1+Pr^{-2}+Qr^{-4})$.
January	January	$\bar{1}\cdot99782$
February	and	$\bar{1}\cdot99782$
March 1st–15th ..	February	$\bar{1}\cdot99782$
March 16th–31st	April–July	$\bar{1}\cdot99866$
April	April–July	$\bar{1}\cdot99866$
May	April–August	$\bar{1}\cdot99862$
June	April–September	$\bar{1}\cdot99841$
July	April–October	$\bar{1}\cdot99832$
August	May–November	$\bar{1}\cdot99821$
September	June–December	$\bar{1}\cdot99816$
October	July–January	$\bar{1}\cdot99810$
November	August–February	$\bar{1}\cdot99795$
December	September–March	$\bar{1}\cdot99788$

The scheme approved was the calculation for each month of a P and Q from the observations of seven months centering in that month, and this scheme was applied from July onwards. An accident which befell the magnet in March required special measures to be adopted for the earlier months.

Aurora.—During the auroral season, i.e. from about September to April, a watch is maintained normally until about 23.00 G.M.T. each evening, and observations—as a rule at intervals of 15 to 20 minutes—are made of the northern horizon and of general meteorological conditions. The records form what is called the auroral log, a brief summary of which is given in Table 12. When any auroral display is observed, a second observer is called and detailed observations are maintained until the display subsides. So far these detailed observations have been mainly non-instrumental and have consisted in noting and making descriptions of the phenomena seen during the display. These notes are entered in a second log reserved for records of actual auroral displays. Extracts from this latter log may be obtained by anyone requiring the detailed information.

Notes on the Tables.—Tables 6, 7, 8 contain the mean diurnal inequalities of Magnetic Declination for the months, year, and seasons, for "all," quiet, and disturbed days respectively. Tables 9, 10, 11 deal similarly with Horizontal Force. Tables 1, 2 and 3 contain respectively, the Ranges of the Diurnal Inequalities, the Average Departure from the Mean of the Day and the Non-Cyclic Change.

Table 4 contains the Absolute Daily Ranges of the Declination. Table 5 contains the Mean Monthly and Annual Values of Declination, Inclination, and Horizontal Force, as deduced from the results of the absolute observations; the dates on which these absolute observations were made are also given.

Review of Results.—Magnetic phenomena at Lerwick are so different from those hitherto encountered in this country, especially in the south of England, and the instrumental conditions there during 1923 were so exceptional, that the real significance of the results can be appreciated only when regard is had to a variety of considerations. In 1890, when a system of magnetic quiet days was first introduced in this country, the beliefs generally entertained were apparently those expressed by Rücker and

Thorpe in their great work* on the magnetic survey of the United Kingdom for the epoch 1891. The view was then taken that there were two quite distinct phenomena, viz., a regular diurnal variation and irregular movements. The former was uninfluenced by the latter, being the same on quiet and disturbed days, and when expressed in terms of local time was practically the same over very considerable areas, such as the British Isles. Disturbance was supposed to follow universal time, corresponding changes at different places being simultaneous, but it was also supposed to be practically invariable in amplitude within the British Isles. The hypothetical nature of these conclusions was clearly recognised by Rücker and Thorpe, but they believed them sufficiently good approximations to the truth to justify their referring all their field observations to a single base station, Kew Observatory, in the south of England.

If these conclusions were correct, it obviously mattered little whether a station acting as successor to Kew Observatory were situated in England or in Scotland, and Eskdalemuir was accordingly selected owing to its presumptive security from artificial disturbances. As soon, however, as records became available from Eskdalemuir, it was obvious that natural magnetic disturbance was considerably larger there than at Kew, and the desirability of records from a British station a good deal to the north of Eskdalemuir was gradually recognised. That disturbance would prove to be larger at Lerwick than at Eskdalemuir was confidently anticipated, but the increase has been so large that it emphasises certain difficulties much less acutely felt in the average observatory.

If the regular diurnal variation, as Rücker and Thorpe supposed, were a phenomenon unaffected by disturbance, its character for a single month might obviously be obtained with greater accuracy from a single quiet day at the middle of that month than from all the days of the month quiet and disturbed combined. The occurrence, however, of a very quiet day at the middle of a month is exceptional. Also there are usually trifling irregularities in the traces from even the quietest of days. Thus practical considerations pointed to the employment of several quiet days a month, and five was selected as the best number, because even at highly disturbed times there are few months when an Observatory in the south of England does not have at least that number of days free from large disturbance. In the choice of days, whether as made originally at Greenwich, or now at De Bilt, attention has been paid to the desirability that the mean date from the selected days should fall near the middle of the month. This is a matter of very sensible importance, at least in those months in which the type or amplitude of the diurnal variation is changing rapidly.

Rücker and Thorpe's conclusion as to the simultaneity of disturbance within the British Isles appears to be true in a limited sense. If such a thing as an absolute standard of disturbance existed, it would probably prove to be the case that when the days of a month were arranged in descending order of disturbance, the order would be nearly the same for the north of Scotland as for the south of England. But irregular movements are so much larger at Lerwick than at Kew, that their elimination from diurnal inequalities tends to be decidedly less complete at the more northern station than it used to be at Kew in days prior to the existence of electric traction. Minor irregularities may be seen in the sequence of hourly values at Lerwick in certain months even in the quiet day inequalities, and in the case of all days they are visible even in the seasonal diurnal inequalities and in that for the whole year. In the disturbed day inequalities such irregularities are to be expected, even at the quietest of stations. At any station, especially at one so disturbed as Lerwick, it has to be remembered that disturbed day inequalities for a single month of a single year are data having quite a different rôle from quiet day inequalities at the ordinary station. The quiet day data can claim to be representative of a particular month of the year in a measure to which the disturbed day data can make no claim. At the ordinary station there are few months in which the five quiet days do not make a fair approach to the ideal quiet day, especially in quiet years like 1923. On the present international scale the magnetic

* Royal Soc. Phil. Trans. A. 188 (1896).

character of individual days varies from 0·0 to 2·0 (highly disturbed). In 1923 two of the December quiet days were of character 0·2. Each of the other 58 international quiet days was of character 0·0 or 0·1, and the mean character figure for the five quiet days of the month varied only between 0·01 (October) and 0·09 (December). Thus the quiet day inequality of a single month represents a standard of quietness which is not indeed absolutely invariable, but still varies only within comparatively narrow limits. Again the mean date of the five quiet days usually falls very near the middle of the month. In 1923 it fell on the 14th, 15th, or 16th in ten months out of the twelve, and in the other two months on the 12th and 19th. On the other hand, the international disturbed days necessarily vary enormously as regards disturbance. September 27th and October 16th had characters 2·0. The significance of international character figures fluctuates according as the year is quiet or otherwise, but even in a quiet year character 2·0 implies a really notable magnetic storm. The highest daily character figures allotted in August and April, 1923, were only 1·1 and 1·2 respectively, and the mean character figures for the five disturbed days of these two months were only 0·88 and 1·08, as against means of 1·58 in October and 1·44 in March. Again the more disturbed days of a month may fall predominantly in one half of the month. In December, 1923, for example, the five were consecutive days, their mean date being the 25th, while in August 1923,, their mean date was the 10th.

If it were not for the 11-year period, the quiet day inequality of any single month, say March, 1923, would be fairly representative of the average March, but no such claim can be made for the disturbed day inequality. For example, as appears from Table 1, the disturbed day inequality ranges for September and October, 1923, were much in excess of those for April, but no inference can be drawn as to the relative amplitudes of the diurnal variation on disturbed days in these three months in the average year. In short the disturbed day data—and to some extent even the all-day data—must be regarded as material which must accumulate for a number of years, before final conclusions can be drawn as to the differences between individual months of the year. This applies, though to a less extent, even to the diurnal inequalities for the three seasons of the year.

One of the phenomena unexpectedly encountered in magnetic quiet days was the non-cyclic (n.c.) change. So far as declination (D) is concerned, in temperate latitudes, the quiet day does not differ much in that respect from the average day, but it is otherwise with horizontal force (H) and vertical force (V). As is now well known, the average international quiet day shows a decided increase in H in the 24 hours. The increase seems to be larger in lower than in middle latitudes, and to be larger near sunspot maximum, when disturbance is usually greater, than near sunspot minimum. At Kew in the average year it is of the order of 3γ. It is usually recognised that a diurnal inequality—a term naturally suggestive of a change periodic in the 24 hours—ought not to contain a non-periodic element; and it is usual to apply a correction which assumes that the n.c. change has come in at a uniform rate throughout the 24 hours. This is probably, in general, only an approach to the truth, but no better assumption seems possible in our present state of knowledge. It has the great advantage of simplicity, and when the amplitude of the n.c. correction applied is given, anyone who desires to reproduce the original uncorrected variation can easily do so. In the present case we have to do with a n.c. change of instrumental origin in the H tabulations on all days, which in most months largely exceeded the natural n.c. change characteristic of quiet days. It has been allowed for in the usual way by a n.c. correction, which assumed the change to come in at a uniform rate. An instrumental change which persists in one direction for many months, in an instrument situated in a chamber with a very small diurnal range of temperature, seems very unlikely *à priori* to be sensibly more rapid at one hour of the day than another. Thus there are strong reasons for hoping that the diurnal inequalities now published for H are substantially correct, especially in the earlier months of the year, when the instrumental change was comparatively slow.

The secular change in H at present is so small that its contribution to the daily n.c. change is practically negligible, and we shall not be far wrong if we regard the

n.c. change given in Table 3 for all days as representing the instrumental change. It would thus appear that during the first four months it was nearly invariable (about 6·5γ per diem). A marked rise occurred during the next three months, followed by a decline during August to a fairly steady rate of about 18γ per diem in September and October. During the early days of November the drift was apparently much bigger, but after a few days it fell again to a value only a little over 20γ per diem, and remained at this until the 21st when the wire suspension broke. It was replaced the same day, but for some days the drift was enormous, and several days' traces were discarded, including those of the 22nd to the 25th, which were respectively, international disturbed and quiet days. The 27th and 29th were also international disturbed days ; and as the creep though still very rapid had become approximately uniform, these two days were used and the 3rd was substituted as a disturbed day for the 22nd. The creep diminished a good deal during December, but in a gradual way, and the application of a n.c. correction, though less satisfactory than in the earlier months, seemed a preferable alternative to omitting December entirely. Still the n.c. correction was so large compared with the natural daily range that the results for that month are admittedly more open to doubt than the others. The decision to publish H inequalities at all was only taken after some hesitation. It was not based altogether on *à priori* ideas as to the unlikelihood of the instrumental creep having any considerable diurnal variation. The results would not have been published unless they had shown a consistency and reasonableness which appeared adequate testimony to their generally satisfactory character. December, as we have seen, showed an enormous instrumental creep as compared with January and February, but there is much more similarity—as there ought to be—between the quiet day inequalities obtained for December and January than between those obtained for January and February. Other favourable evidence is derivable from a comparison of the n.c. results from the different classes of days. No conclusion can be drawn from the November and December data. Two of the November disturbed days—used also in the all-day inequalities—followed the breakage of the suspension, while the 4 quiet days used all preceded it. Again in December all the disturbed days came near the end of the month, when the creep was much reduced. If, however, we confine ourselves to the first ten months of the year, when the conditions of the days of different types were fairly similar, we find as mean values of the n.c. corrections in Table 3 + 15·8γ from "all" (*a*) days, + 18·7γ from quiet (*q*) days, and + 8·8γ from disturbed (*d*) days. As already explained, we may regard the n.c. change from *a* days as representing the instrumental creep. Subtracting it from the n.c. change for *q* days, we get + 2·9γ as the real n.c. change on the average quiet day due to natural causes. This compares well with the mean value from the 11 years, 1890 to 1900, at Kew, viz., + 3·3γ. Again, subtracting the n.c. change on *a* days from that for *d* days, we get − 7·0γ as the real natural n.c. change on the average disturbed day. This would seem to be of at least the right sign and order of magnitude, because the mean n.c. change derived at Kew from the 209 most disturbed days of the period 1890 to 1900—days with a much higher average of disturbance than the 60 selected disturbed days of 1923—was −13·2γ.

The December results may serve to illustrate a point in connection with H quiet day inequalities which is apt to be overlooked. It will presumably be admitted that the diurnal inequality ascribed to a month should be independent of the hour we may select for the commencement of the "day." For example, we might just as well have taken Greenwich noon as Greenwich midnight for the commencement of the international magnetic day. But if we had, as in December at Lerwick, a n.c. change of + 55γ per diem, and a regular periodic change of only some 6γ, it is obvious that if no n.c. correction were applied we should find the minimum for the day within an hour or two of its commencement, and the maximum for the day within an hour or two of its termination, irrespective of the hour we chose for the day's commencement.

The curves were measured in the same way as at Kew and Eskdalemuir, and as there the quiet and disturbed days were those selected at De Bilt, except for the

slight departures in November already mentioned. The D inequalities obtained respectively from *a*, *q* and *d* days are given in Tables 6, 7 and 8. The corresponding H inequalities are given in Tables 9, 10 and 11. The algebraically greatest and least of the hourly values are in heavy type. The seasons include the same months as at Kew and Eskdalemuir.‡

A double daily oscillation of D is easily recognisable on *q* days in some months, including January, October, November and December, and in the winter season. It is not very clearly indicated in *a* days in any single month owing to the greater irregularity of the figures, but it is recognisable in the diurnal inequalities for equinox and the whole year. There are no clear indications of it in any summer month, whether for *q* or *a* days, and the summer diurnal inequalities, whether for *a*, *q* or *d* days, suggest only a single daily oscillation.

Whether a double oscillation is visible or not, the principal maximum—i.e. the westerly extreme—always appears, even in the *d* day inequalities, in the early afternoon. On *q* and *a* days it appears at 13h in every season and month except as follows :—June (14h both *q* and *a*), July (*a* 14h) and November (12h both *q* and *a*). On *d* days it is never earlier than 13h ; but appears at 14h in July, November and summer, at 15h in January, May, October and December, and at 17h in June. There seems thus a decided tendency for disturbance to delay the hour of maximum.

The time of the minimum or principal minimum is much more variable. It has a decided seasonal variation, and is also influenced by disturbance. Throughout the greater part of the year a principal minimum at 7h or 8h seems normal on *q* days. But even on *q* days the principal minimum appears near midnight in December and January and in the winter season, and there is a prominent secondary minimum near midnight in November. In the *a* inequalities the principal minimum falls near midnight except in the five months April to August. It appears at 22h in the equinoctial as well as the winter season ; but it still appears at 7h in the inequalities for the whole year and for summer.

In the *d* inequalities the relative prominence of the night minimum is further increased. The inequality for summer has its principal minimum at 6h, but in three of the constituent months the hour is pushed back nearer midnight. In the *d* inequality for the year there is not even a suggestion of a minimum at 7h or 8h, the normal time for quiet days. The tendency in the compass needle to an enhanced easterly position near midnight in winter days and on *d* days at all seasons—a phenomenon which prevails in the south of England—would appear to be very prominent in Lerwick.

The most constant feature in the D diurnal variation is the movement to the west from 8h or earlier until the maximum in the early afternoon, and the subsequent reverse movement proceeding until at least a late evening hour. The westerly day movement is largest relative to the afternoon easterly movement in summer. The easterly movement in the afternoon increases in relative importance as the day shortens, and as more and more disturbance prevails.

In H, *a* and *q* diurnal inequalities alike suggest a double daily oscillation throughout the whole year. In some of the summer and equinoctial months the forenoon maximum is hardly recognisable, but there is always at least a hesitation preceding the plunge to the day minimum. This minimum is recognisable in every inequality, and is the principal minimum in *a* and *q* days in every season and in every month except December, when a slightly lower value appears at 24h on *q* days. The hour of occurrence of the day minimum is 10h in the July *q* inequality, and 12h in the *q* inequality for March and in the *a* inequalities for January and February. With these few exceptions it is found at 11h in every month and season, alike in *a* and *q* days. Even on *d* days the principal minimum occurs between 10h and 12h in six individual months and in the summer season. But in the other *d* inequalities it appears near midnight, at 1h in March, September and Equinox, at 2h in January and the year,

‡ The seasons are defined for this purpose as follows :—*Winter*, January, February, November, December ; *Equinox*, March, April, September, October ; *Summer*, May, June, July, August.

at 3h in June, at 23h in October and at 24h in February and winter. There is thus an unmistakable tendency for disturbance to deepen the minimum occurring near midnight so that it becomes the principal minimum.

There is a seasonal variation in the hour of occurrence of the principal maximum in H. It appears in the forenoon in the winter season, and in all its constituent months, except November *q* days and February *d* days. It appears in the afternoon in all the inequalities for the year, equinox and summer, and in individual months from April to November inclusive on *q* days, from March to October inclusive on *a* days, and from February to October inclusive on *d* days. Disturbance thus seems to have little effect on the result. At the same time it appears to make the afternoon maximum come earlier. In the case of the year this appears at 18h on *a* days, at 19h on *q* days and at 17h on *d* days. In the equinoctial season it appears at 18h on *a* days, at 20h on *q* days and 17h on *d* days ; while in summer it appears at 18h on *a* and *d* days, an hour earlier than on *q* days.

The *d* inequalities for individual months exhibit many irregularities of an apparently accidental character, but the *d* inequalities for the seasons and the year are nearly as smooth as the *a*. The main features of the diurnal inequality are usually prominent even in the *d* inequalities for individual months. A principal maximum, for example, is recognisable between 16h and 18h in seven individual months.

Tables 1, 2 and 3 contain miscellaneous data. The n.c. changes have been already discussed. The data ascribed to the year in the case of D are the arithmetic means of the monthly values taken algebraically. As the mean daily fall 0′·11 given by both *a* and *q* days is thrice what we should expect from the known secular change, there was presumably a small instrumental drift even in the D magnetograph.

In the case of D the range and the A.D. (average departure from the mean) in every single month and season are larger for the *a* than the *q* days. In the case of the inequality for the whole year the excess of the *a* range is only 8 per cent. But if we take instead the arithmetic mean of the ranges for the individual 12 months, the *a* quantity is 24 per cent. the larger. If instead of the range we take the A.D. in the diurnal inequality for the year, the *a* value is 35 per cent. in excess of the *q*.

In the case of H the *a* range is again in general decidedly larger than the *q* range ; but in August, September and November the excess is small, and in October there is a small deficiency. As regards the A.D. there are two months in which the *a* value is the smaller, and several in which its excess is trifling ; while in the case of the year and the equinox the *a* value is slightly the smaller. The greater homogeneity of the quiet days probably is accountable for these results.

In every case, in D and H alike, the range and A.D. are much larger for *d* than for *a* or *q* days. In the case of D the *d* range stands to the *q* range roughly in the ratio 30 : 10 in winter and 20 : 10 in equinox, but only 13 : 10 in summer. The A.Ds. make the excess of movement on *d* days somewhat less relatively in winter, but larger in equinox and summer.

In the case of the seasonal diurnal inequalities in H the *d* ranges and A.Ds. are roughly double the *q* ; but in some individual months, e.g. October, when the selected disturbed days were more than usually disturbed, the excess of the *d* ranges and A.Ds. is much larger than this.

It will be noticed that though the disturbed days were identical for D and for H, except in November, there is no approach to constancy in the ratio borne by the D range on *d* days to the corresponding H range in individual months. For example, the D range on *d* days was 26 per cent. larger in July than in June, whereas the H range was 77 per cent. larger in June than in July. The extent to which disturbance manifests itself is often widely different in D and H.

In giving inequalities for *a*, *q* and *d* days the practice adopted at Eskdalemuir has been followed. Decided irregularities, however—easily recognised if curves be plotted—present themselves in the *a* days inequality for H in winter at 2h and 20h. The occurrence of such irregularities in so quiet a year raises a doubt whether it might not be better to replace inequalities from all days by inequalities from ordinary days, omitting from the latter the five monthly international disturbed days.

RANGES OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS.*

1. Lerwick. **1923.**

Month and Season.	"All" Days.		Quiet Days.		Disturbed Days.	
	D.	H.	D.	H.	D.	H.
	′	γ	′	γ	′	γ
Jan. ...	5·65	10·0	3·11	5·9	10·12	18 2
Feb. ...	6·58	18·8	3·55	17·0	11·32	68·1
Mar. ...	8·34	28·3	6·44	20·5	14·19	110·7
April ...	10·27	46·6	8·87	44·1	14·05	65·3
May ...	8·72	52·6	8·34	45·9	13·57	109·8
June ...	9·63	54·5	8·97	43·4	11·33	109·0
July ...	9·13	40·4	8·50	35·9	14·24	61·5
Aug. ...	10·05	41·3	9·77	40·1	12·03	50·7
Sept. ...	9·34	35·3	9·05	35·0	19·65	114·4
Oct. ...	8·39	23·4	4·96	24·3	17·75	144·8
Nov. ...	5·43	13·6	2·90	13·5	9·18	18·7
Dec. ...	4·61	9·0	2·91	5·6	9·94	15·9
Year ...	6·69	28·8	6·21	26·4	10·45	47·9
Winter...	5·46	12·6	2·91	9·8	8·72	20·8
Equinox	8·34	32·4	7·33	30·1	14·69	77·3
Summer	9·30	46·0	8·78	40·8	11·21	76·1

AVERAGE DEPARTURE OF THE INDIVIDUAL VALUES FROM MEAN OF THE DAY.

2. Lerwick. **1923.**

	"All" Days.		Quiet Days.		Disturbed Days.	
	D.	H.	D.	H.	D.	H.
	′	γ	′	γ	′	γ
Jan. ...	1·15	2·0	0·77	1·2	2·09	3·4
Feb. ...	1·69	4·7	0·83	4·1	3·12	12·6
Mar. ...	2·18	6·7	1·29	5·1	3·55	20·3
April ...	2·56	10·8	1·94	10·6	3·18	14·4
May ...	2·33	10·8	2·01	10·0	3·89	23·1
June ...	2·55	12·7	2·26	10·5	3·29	23·8
July ...	2·36	9·2	1·93	8·5	3·52	14·8
Aug. ...	2·30	10·0	2·13	9·8	3·16	11·5
Sept. ...	2·31	7·9	1·99	9·1	4·45	21·8
Oct. ...	1·86	6·2	1·15	6·2	5·14	28·5
Nov. ...	1·21	2·6	0·74	2·9	2·49	3·9
Dec. ...	1·06	1·8	0·69	1·5	1·80	3·6
Year ...	1·90	6·2	1·41	6·3	2·78	11·8
Winter...	1·27	2·6	0·75	2·2	2·16	4·8
Equinox	2·20	7·0	1·57	7·6	3·49	17·8
Summer	2·35	10·3	2·04	9·6	3·36	17·6

NON-CYCLIC CHANGE (24h.—0h).†

3. Lerwick. **1923.**

	"All" Days.		Quiet Days.		Disturbed Days.	
	D.	H.	D.	H.	D.	H.
	′	γ	′	γ	′	γ
Jan. ...	−0·12	+ 6·4	−0·19	+ 9·4	+0·23	+ 4·6
Feb. ...	−0·37	+ 7·2	−0·93	+ 9·7	−1·12	+ 0·6
Mar. ...	−0·02	+ 5·5	+0·04	+ 7·8	+0·89	− 3·4
April ...	−0·03	+ 7·2	−0·54	+10·8	−1·04	− 8·2
May ...	−0·15	+13·6	+0·31	+15·9	−2·86	− 3·8
June ...	+0·08	+19·8	−0·12	+24·1	+0·50	+14·1
July ...	−0·16	+32·6	+0·04	+37·2	−1·08	+21·1
Aug. ...	−0·16	+28·7	+0·27	+28·8	−0·08	+29·9
Sept. ...	+0·05	+18·1	+0·12	+18·2	+0·39	+17·8
Oct. ...	−0·14	+18·9	+0·27	+25·4	+0·77	+15·4
Nov. ...	−0·17	+35·4	−0·69	+28·0	−3·82	+58·8
Dec. ...	−0·19	+52·9	+0·04	+55·1	−0·27	+28·9
Year ...	−0·11	—	−0·11	—	−0·62	—
Winter...	—	—	—	—	—	—
Equinox	—	—	—	—	—	—
Summer	—	—	—	—	—	—

* The ranges are those shown in Tables 6 to 11, in the preparation of which the non-cyclic change has been eliminated.
† The non-cyclic changes shown under H. are mainly of instrumental origin. *See* p. 26.

ABSOLUTE DAILY RANGES OF MAGNETIC DECLINATION.

4. Lerwick. **1923.**

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Day	′	′	′	′	′	′	′	′	′	′	′	′	Day
1	3·47	24·51	15·44	14·28	8·49	11·39	11·19	13·51	19·11	8·11	9·07	8·88	1
2	6·95	10·04	8·69	11·19	10·04	14·86	16·21	11·19	10·42	6·75	47·29	5·98	2
3	9·65	18·72	13·12	12·16	23·74	11·39	9·84	24·32	16·41	6·75	13·51	5·98	3
4	20·07	25·67	12·93	12·74	23·35	11·39	9·84	15·05	13·70	8·11	4·83	22·00	4
5	9·65	12·16	10·61	9·07	16·41	22·00	10·04	8·69	8·69	9·26	3·86	6·18	5
6	11·77	11·58	6·75	10·23	9·07	17·18	13·51	15·44	10·04	6·75	5·79	5·79	6
7	5·79	19·30	16·60	17·18	9·46	12·16	13·12	11·58	9·84	8·30	25·28	5·79	7
8	4·05	9·07	5·02	15·63	13·51	10·42	9·84	11·19	12·35	16·21	7·72	5·02	8
9	10·23	5·21	6·75	18·33	9·46	10·61	8·49	13·12	23·93	16·79	6·95	21·23	9
10	9·65	15·83	8·49	16·60	5·79	10·42	22·97	12·16	21·23	14·09	5·21	16·21	10
11	8·11	9·26	7·53	22·58	7·53	12·55	13·51	9·84	20·46	17·37	6·95	10·42	11
12	5·98	4·05	10·04	17·76	8·30	9·46	15·63	12·55	11·58	16·79	23·74	6·18	12
13	25·48	4·25	11·00	33·77	11·77	37·63	9·07	19·30	15·25	10·23	16·98	12·93	13
14	11·00	22·00	21·04	18·72	13·90	28·76	10·61	12·93	13·90	23·93	6·56	13·12	14
15	8·11	5·40	19·30	12·55	11·97	19·49	10·81	13·51	9·65	57·51	4·05	11·77	15
16	12·16	12·93	16·60	13·32	9·65	13·51	10·23	9·84	11·19	73·34	8·11	6·95	16
17	9·65	27·02	13·90	12·74	38·99	12·16	12·93	12·35	9·07	65·43	5·79	4·05	17
18	4·83	8·88	21·62	13·12	31·65	11·77	17·18	8·88	9·84	32·23	3·47	9·84	18
19	4·44	10·81	12·55	13·90	15·05	17·37	11·77	12·16	6·18	23·55	5·40	5·60	19
20	33·77	7·53	10·23	17·76	17·37	12·93	12·35	14·47	9·46	9·84	4·05	5·21	20
21	18·91	8·49	11·58	26·05	15·63	17·56	10·42	10·04	6·95	7·53	4·44	6·37	21
22	20·84	11·97	22·58	22·19	8·69	11·97	13·51	11·97	10·04	8·69	19·11	4·05	22
23	18·91	5·40	11·00	20·27	9·46	8·49	31·07	11·97	13·12	5·60	12·35	24·70	23
24	12·74	8·88	118·12	23·16	11·58	9·07	9·84	15·63	10·23	8·49	9·46	15·25	24
25	6·37	50·18	69·48	10·23	11·77	10·04	8·69	16·98	8·69	9·46	4·63	22·39	25
26	7·33	49·02	25·48	7·91	8·49	14·28	8·69	7·53	50·95	12·74	8·11	44·39	26
27	5·40	45·74	22·00	9·26	12·93	11·77	16·02	12·16	157·29	17·95	17·56	19·30	27
28	6·95	29·91	16·41	11·19	9·65	17·76	9·26	12·35	34·74	5·98	20·27	20·46	28
29	14·86	—	16·02	15·44	31·85	12·55	11·77	9·84	16·60	6·37	18·72	8·11	29
30	18·72	—	11·19	13·51	23·35	45·93	11·00	11·19	9·84	6·75	9·65	9·46	30
31	6·95	—	10·23	—	11·77	—	11·77	13·90	—	23·16	—	6·18	31
Mean	11·38	16·92	18·78	15·76	14·54	15·56	12·62	12·76	19·36	17·55	11·30	11·93	
No. of Days used	31	28	31	30	31	30	31	31	30	31	30	31	

MEAN MONTHLY & ANNUAL VALUES OF MAGNETIC DECLINATION, INCLINATION AND HORIZONTAL FORCE.

Means of the results of absolute observations made on the dates shown below.

5. Lerwick. **1923.**

Month.	Declination (West).	Inclination (North).	Horizontal Force.
	° ′ ″	° ′	
Jan. ...	15 50 39	72 33·42	14664
Feb. ...	15 48 54	72 33·11	14659
Mar. ...	15 49 32	72 33·23	14664
April ...	15 44 56	72 33·90	14652
May ...	15 43 58	72 34·05	14668
June ...	15 42 44	72 34·00	14655
July ...	15 42 34	72 33·50	14649
Aug. ...	15 44 1	72 33·89	14655
Sept. ...	15 43 18	72 33·57	14648
Oct. ...	15 42 58	72 34·37	14645
Nov. ...	15 41 28	72 33·47	14654
Dec. ...	15 39 35	72 33·27	14645
Year ...	15 44 33	72 33·65	14655

Dates on which Absolute Observations were made.

Jan. ...	1, 6, 8, 9, 12, 15, 17, 23, 25, 29, 31.	1, 6, 9, 12,15, 17, 23, 25, 29, 31.	1, 6, 8, 9, 12, 15, 17, 23, 25, 29, 31.
Feb. ...	2, 6, 9, 12, 15, 19 22.	2, 6, 9, 12, 15, 19, 22.	2, 6, 9, 12, 15, 19, 22.
Mar. ...	1, 3, 5, 7, 12, 15, 21, 23, 28, 30.	1, 3, 5, 7, 12, 15, 21, 23, 28, 30.	1, 3, 5, 7, 12, 15, 21, 23, 28, 30.
April ...	3, 5, 9, 12, 16, 19, 24, 26, 30.	3, 5, 9, 12, 16, 19, 24, 26, 30.	3, 5, 9, 12, 16, 19, 24, 26, 30.
May ...	3, 7, 10, 14, 21, 24, 26, 28.	3, 7, 10, 14, 21, 24, 26, 28.	3, 7, 10, 14, 21, 24, 26, 28.
June ...	1, 4, 7, 10, 12, 17, 21, 23, 26.	1, 4, 7, 10, 12, 17, 21, 23, 26.	1, 7, 10, 12, 17, 23, 26.
July ...	5, 10, 13, 16, 21, 24, 28, 31.	5, 10, 13, 16, 21, 24, 31.	5, 10, 13, 16, 21, 24, 31.
Aug. ...	2, 7, 10, 14, 17, 23, 27, 28.	2, 7, 10, 14, 17, 23, 27.	2, 7, 10, 14, 17, 23, 27, 28.
Sept. ...	4, 5, 11, 17, 20, 24.	4, 5, 11, 17, 20, 24.	4, 5, 11, 17, 20, 24.
Oct. ...	1, 4, 8, 20, 24, 26, 29, 31.	1, 4, 8, 20, 24, 26, 29, 31.	1, 4, 8, 20, 24, 29, 31.
Nov. ...	5, 7, 13, 16, 19, 22, 26.	5, 7, 13, 16, 19, 22, 26.	5, 7, 13, 16, 19, 22, 26.
Dec. ...	4, 6, 11, 13, 18, 21, 29.	6, 11, 13, 18, 21, 29.	4, 6, 11, 13, 18, 21, 29.

DIURNAL INEQUALITIES OF THE MAGNETIC DECLINATION.

Departures from mean of the day adjusted for non-cyclic change.

DECLINATION (*All Days except Feb. 7, 15, Apr. 23*).

6. Lerwick. **1923.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−0·71	−0·23	−0·58	−0·33	−0·33	−0·48	−0·33	−0·29	−0·21	+0·62	+1·39	+2·30	**+2·66**	+2·32	+1·81	+1·37	+0·95	+0·46	−0·33	−0·83	−1·95	**−2·99**	−2·74	−1·51
Feb. ...	−1·18	−1·04	−1·51	−1·62	−1·66	−1·39	−0·42	−0·41	−0·14	+1·22	+2·22	+3·38	**+4·13**	+3·82	+2·49	+2·07	+0·95	+0·02	−0·71	−1·20	−2·22	−2·24	**−2·45**	−2·18
Mar. ...	−1·39	−1·54	−2·41	−1·95	−1·95	−1·78	−1·93	−1·74	−1·20	+0·46	+2·74	+4·81	**+5·64**	+4·94	+3·71	+2·61	+1·25	−0·23	−0·41	−0·69	−1·62	−2·51	**−2·70**	−2·08
April ...	−1·66	−1·91	−1·64	−1·91	−1·78	−2·62	−3·44	**−3·71**	−2·91	−0·35	+2·41	+5·11	**+6·56**	+6·08	+4·71	+3·11	+1·58	+0·93	+0·19	−0·97	−1·58	−2·59	−2·14	−1·45
May ...	−1·35	−1·13	−2·18	−2·87	−3·46	−3·73	**−3·84**	−3·25	−2·18	−0·39	+2·15	+4·06	**+4·88**	+4·67	+3·91	+3·31	+2·45	+1·32	+0·90	+0·30	−0·30	−0·63	−0·78	−1·92
June ...	−0·95	−1·66	−1·99	−2·82	−3·82	−4·28	**−4·81**	−4·54	−3·46	−1·02	+1·81	+4·03	+4·79	**+4·82**	+4·57	+3·61	+2·91	+1·79	+1·02	+0·73	+0·54	−0·27	−0·27	−0·68
July ...	−1·09	−1·69	−2·59	−2·77	−3·01	−4·06	**−4·17**	−3·76	−2·59	−0·91	+1·30	+3·66	+4·74	**+4·96**	+4·34	+3·07	+1·83	+1·71	+1·18	+0·69	+0·68	+0·18	−0·84	−0·85
Aug. ...	−1·51	−1·49	−2·04	−2·74	−3·58	**−4·03**	−3·92	−3·13	−1·24	+0·66	+3·15	+5·14	**+6·02**	+5·15	+3·64	+2·16	+1·05	+0·47	+0·23	+0·01	−0·42	−0·63	−1·26	−1·61
Sept. ...	**−3·60**	−2·42	−2·52	−1·98	−1·44	−1·59	−2·42	−2·21	−1·05	+0·94	+3·23	+5·32	**+5·74**	+4·62	+3·60	+2·42	+1·53	+0·32	−0·09	−0·40	−0·70	−1·90	−2·81	−2·52
Oct. ...	−2·38	−2·04	−1·74	−0·77	−0·35	+0·08	−0·28	−0·72	−0·44	+1·00	+2·76	+4·34	**+4·73**	+4·28	+3·18	+1·33	−0·18	+0·62	−0·22	−2·11	−2·95	**−3·66**	−2·50	−2·03
Nov. ...	−1·32	−0·71	−0·54	−0·52	−0·23	−0·43	+0·11	−0·01	−0·16	+1·05	+2·01	**+2·42**	+2·37	+1·85	+1·44	+1·19	+1·16	+0·79	+0·12	−0·68	−1·92	**−3·01**	−2·97	−2·01
Dec. ...	−1·39	−0·37	−0·19	+0·09	−0·17	−0·14	−0·07	−0·02	+0·01	+0·81	+1·56	+2·28	**+2·44**	+2·27	+1·78	+0·95	+0·32	+0·17	−0·46	−1·80	**−2·17**	−2·00	−1·96	−1·93
Year ...	−1·54	−1·35	−1·66	−1·68	−1·82	−2·04	**−2·13**	−1·98	−1·30	+0·34	+2·23	+3·90	**+4·56**	+4·15	+3·26	+2·27	+1·32	+0·70	+0·12	−0·58	−1·22	−1·85	−1·95	−1·73
Winter ...	−1·15	−0·59	−0·70	−0·60	−0·60	−0·61	−0·18	−0·18	−0·12	+0·92	+1·80	+2·60	**+2·90**	+2·56	+1·88	+1·40	+0·84	+0·36	−0·34	−1·13	−2·06	**−2·56**	−2·53	−1·91
Equinox ...	−2·26	−1·98	−2·08	−1·65	−1·38	−1·48	−2·02	−2·10	−1·40	+0·51	+2·78	+4·90	**+5·67**	+4·98	+3·80	+2·37	+1·04	+0·41	−0·13	−1·04	−1·71	**−2·67**	−2·54	−2·02
Summer ...	−1·23	−1·49	−2·20	−2·80	−3·47	−4·03	**−4·19**	−3·67	−2·37	−0·41	+2·10	+4·22	**+5·11**	+4·90	+4·12	+3·04	+2·06	+1·32	+0·83	+0·43	+0·12	−0·34	−0·79	−1·26

DECLINATION (*Quiet Days*).

7. Lerwick. **1923.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−0·76	−0·59	−0·43	−0·03	−0·30	−0·51	−0·63	−0·67	−0·88	−0·03	+0·80	+1·77	**+1·96**	+1·75	+0·94	+0·84	+0·61	+0·34	+0·16	−0·38	−0·90	−1·13	**−1·15**	−0·84
Feb. ...	−0·68	−0·56	−0·71	−0·91	−0·91	−1·18	**−1·25**	−1·02	−0·79	+0·21	+1·14	+1·87	**+2·30**	+2·07	+1·41	+0·37	+0·21	+0·21	+0·17	−0·06	−0·14	−0·29	−0·41	−0·95
Mar. ...	−0·76	−0·76	−0·96	−1·07	−1·50	−1·40	−1·98	**−2·36**	−2·02	−0·59	+1·53	+3·19	**+4·08**	+3·66	+2·38	+0·61	−0·16	−0·09	+0·05	−0·03	−0·14	−0·41	−0·53	−0·65
April ...	−1·28	−1·57	−1·65	−1·63	−2·38	−2·56	−3·27	**−3·75**	−2·83	−0·26	+1·84	+4·06	**+5·12**	+4·49	+3·00	+2·00	+1·32	+0·88	+0·32	+0·22	−0·18	−0·15	−0·78	−0·99
May ...	−0·30	−0·96	−1·63	−2·65	−3·19	−3·99	**−4·20**	−3·66	−2·71	−0·80	+2·02	+3·73	**+4·14**	+3·64	+2·85	+2·17	+1·86	+1·69	+1·32	+0·13	+0·14	+0·40	+0·09	−0·09
June ...	+0·63	−0·09	−2·09	−3·14	−3·75	−4·20	−4·24	**−4·43**	−3·54	−1·67	+1·07	+3·31	+4·47	**+4·54**	+3·79	+2·83	+1·59	+0·97	+0·72	+0·45	+0·57	+0·68	+0·97	+0·51
July ...	−0·46	−0·97	−1·35	−2·16	−3·13	−3·80	**−3·96**	−3·80	−2·14	−0·79	+1·18	+3·53	**+4·54**	+4·27	+3·38	+1·91	+1·10	+0·71	+0·69	+0·58	+0·73	+0·42	+0·08	−0·54
Aug. ...	−1·40	−1·52	−1·77	−2·46	−3·14	**−4·20**	−4·01	−3·41	−1·44	+0·43	+2·90	+4·82	**+5·57**	+4·91	+3·35	+1·92	+0·82	+0·20	+0·34	+0·16	+0·13	+0·03	−0·70	−1·57
Sept. ...	−1·31	−1·41	−1·52	−1·79	−2·14	−2·62	−3·17	**−3·55**	−2·47	−1·14	+1·91	+4·81	**+5·50**	+4·77	+3·17	+1·66	+0·81	+0·62	+0·48	+0·06	−0·33	−0·48	−0·77	−1·20
Oct. ...	−1·01	−0·82	−0·72	−1·07	−1·13	−1·42	−1·61	**−1·71**	−1·44	+0·59	+2·33	+3·19	**+3·25**	+2·44	+1·03	+0·22	+0·28	+0·28	+0·22	+0·01	−0·11	−0·43	−1·05	−1·34
Nov. ...	−0·69	−0·60	−0·17	−0·19	−0·50	−0·75	−0·83	**−0·93**	−0·73	+0·37	+1·49	**+1·97**	+1·83	+1·06	+0·73	+0·54	+0·60	+0·21	+0·08	−0·23	−0·75	−0·87	−0·85	−0·85
Dec. ...	−0·67	−0·32	−0·36	−0·43	−0·51	−0·57	−0·69	−0·57	−0·38	+0·32	+1·24	+1·71	**+1·82**	+1·24	+0·74	+0·40	+0·40	+0·40	−0·16	−0·74	−0·40	−0·70	−0·74	**−1·09**
Year ...	−0·72	−0·85	−1·11	−1·46	−1·88	−2·27	−2·49	**−2·49**	−1·78	−0·28	+1·62	+3·16	**+3·72**	+3·24	+2·23	+1·29	+0·79	+0·54	+0·37	+0·01	−0·11	−0·24	−0·49	−0·80
Winter ...	−0·70	−0·52	−0·42	−0·39	−0·55	−0·75	−0·85	−0·80	−0·69	+0·22	+1·17	+1·83	**+1·98**	+1·53	+0·96	+0·54	+0·46	+0·29	+0·06	−0·35	−0·55	−0·75	−0·79	**−0·93**
Equinox ...	−1·09	−1·14	−1·21	−1·39	−1·79	−2·00	−2·51	**−2·84**	−2·19	−0·35	+1·90	+3·81	**+4·49**	+3·84	+2·40	+1·12	+0·56	+0·42	+0·27	+0·07	−0·19	−0·37	−0·78	−1·04
Summer ...	−0·38	−0·88	−1·71	−2·60	−3·30	−4·05	**−4·10**	−3·82	−2·46	−0·70	+1·79	+3·85	**+4·68**	+4·34	+3·34	+2·21	+1·34	+0·89	+0·77	+0·33	+0·39	+0·38	+0·11	−0·42

DECLINATION (*Disturbed Days*).

8. Lerwick. **1923.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−1·01	+1·53	−0·53	−0·57	−0·01	+0·18	+1·21	+0·70	−0·09	+0·34	+1·48	+2·40	+3·45	+3·12	**+3·70**	+2·67	+3·02	+1·34	−1·75	−1·77	−4·00	−6·26	**−6·42**	−2·65
Feb. ...	−0·39	−0·44	−4·23	−4·05	−3·24	−2·45	+0·21	+1·29	+2·74	+4·52	+4·77	+5·77	**+6·77**	+5·87	+2·01	+3·49	−0·60	−3·18	−1·66	−2·55	−2·53	−3·65	−4·01	**−4·55**
Mar. ...	−2·55	−0·42	**−6·10**	−3·47	−1·27	−1·51	−1·25	−1·18	−0·33	+1·64	+4·27	+6·70	**+8·09**	+6·54	+5·42	+5·89	+4·00	−1·00	−2·66	−3·05	−3·82	−4·83	−5·44	−3·71
April ...	−2·06	−1·19	−0·99	−2·58	+0·67	−1·75	−3·44	−3·52	−3·17	−0·41	+3·33	+6·42	**+7·96**	+7·85	+6·63	+3·97	+0·57	+0·76	−0·26	−2·23	−3·12	**−6·09**	−5·57	−1·67
May ...	−3·27	−1·42	−4·80	**−6·03**	−5·53	−5·99	−5·68	−4·53	−1·57	+0·43	+3·45	+5·68	+6·88	+7·11	**+7·54**	+6·90	+5·74	+1·50	+1·46	−0·09	−1·59	−0·68	−1·15	−4·31
June ...	−2·39	−4·50	−1·89	−4·42	**−5·29**	−3·67	−3·61	−2·86	−1·79	−0·15	+3·03	+5·02	+4·73	+4·71	+5·89	+4·17	**+6·04**	+3·86	+1·39	+0·71	−0·42	−3·45	−2·66	−2·41
July ...	−3·47	−3·30	**−6·89**	−4·81	−2·82	−5·29	−5·10	−3·84	−3·34	−1·83	+1·39	+4·98	+6·18	**+7·35**	+6·27	+4·77	+3·24	+3·28	+1·62	+1·18	+0·79	+1·18	−0·73	−0·89
Aug. ...	−1·71	−1·94	−2·31	−2·54	−4·74	**−5·09**	−5·01	−2·46	−0·40	+1·57	+4·62	+6·51	**+6·94**	+5·63	+4·62	+2·91	+1·79	+1·71	+1·63	−0·92	−3·00	−2·83	−2·94	−1·98
Sept. ...	**−11·56**	−5·40	−3·92	−1·83	+2·01	+2·91	−0·31	+0·95	+1·16	+3·13	+6·04	+7·91	**+8·09**	+5·87	+6·06	+4·81	+4·48	−0·87	−2·05	−2·18	−0·02	−5·17	**−11·56**	−8·61
Oct. ...	−5·88	−4·82	−2·07	+3·56	+3·97	+6·32	+5·63	+3·48	+2·60	+3·48	+4·66	+6·17	+6·51	+6·57	**+6·80**	+1·59	−5·53	+0·34	−3·29	−9·14	−10·91	**−10·95**	−5·53	−3·48
Nov. ...	−3·18	−2·51	−2·05	−1·39	−0·85	−0·33	+2·80	+1·49	+0·56	+1·70	+2·62	+2·70	+2·82	**+3·20**	+3·18	+2·80	+2·72	+2·45	+0·81	−0·62	−4·59	**−5·98**	−4·73	−3·69
Dec. ...	−0·76	+0·90	−0·01	+1·50	+0·90	+0·57	+0·88	+0·78	+0·47	+1·07	+1·73	+2·79	+3·16	+2·15	**+3·29**	+0·78	−0·05	+0·57	−0·84	**−6·65**	−5·03	−2·81	−2·96	−2·52
Year ...	−3·19	−1·96	−2·98	−2·22	−1·35	−1·34	−1·14	−0·81	−0·26	+1·29	+3·45	+5·25	**+5·97**	+5·50	+5·12	+3·73	+2·12	+0·90	−0·47	−2·28	−3·19	−4·29	**−4·48**	−3·37
Winter ...	−1·33	−0·13	−1·70	−1·13	−0·80	−0·51	+1·28	+1·07	+0·92	+1·91	+2·65	+3·42	**+4·05**	+3·59	+3·05	+2·44	+1·27	+0·30	−0·86	−2·90	−4·04	**−4·67**	−4·53	−3·35
Equinox ...	−5·51	−2·96	−3·27	−1·08	+1·34	+1·49	+0·16	−0·07	+0·06	+1·96	+4·57	+6·80	**+7·66**	+6·71	+6·23	+4·06	+0·88	−0·19	−2·06	−4·15	−4·47	−6·76	**−7·03**	−4·37
Summer ...	−2·71	−2·79	−3·97	−4·45	−4·60	**−5·01**	−4·85	−3·42	−1·78	0·00	+3·12	+5·55	+6·18	**+6·20**	+6·08	+4·69	+4·20	+2·59	+1·52	+0·22	−1·06	−1·44	−1·87	−2·40

DIURNAL INEQUALITIES OF THE HORIZONTAL MAGNETIC FORCE.

Departures from mean of the day adjusted for non-cyclic change.

HORIZONTAL FORCE (*All Days except Feb.* 15, *Apr* 23, *Nov* 21–26, 28, 30).

9. Lerwick. **1923.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 2·5	− 3·4	− 2·0	− 0·7	+ 1·8	+ **5·3**	+ 4·5	+ 3·4	+ 0·6	− 2·7	− 4·5	− **4·7**	− 1·9	+ 0·9	+ 1·7	+ 1·5	+ 1·5	− 0·3	+ 0·3	− 0·1	+ 1·1	+ 1·4	+ 0·4	− 1·2
Feb. ...	+ 0·6	− 6·1	− 2·6	+ 2·0	+ 7·0	+ **8·6**	+ 7·3	+ 3·8	− 1·9	− 8·8	− 9·2	−**10·2**	− 6·9	− 1·5	+ 1·6	+ 3·8	+ 5·0	+ 5·5	+ 4·8	+ 1·3	+ 3·6	+ 1·6	− 1·4	− 7·9
Mar. ...	− 5·6	− 5·7	− 5·2	+ 0·1	+ 3·6	+ 5·9	+ 4·4	+ 0·4	− 5·8	−13·5	−**17·1**	−14·7	− 9·5	− 3·4	+ 4·4	+ 8·1	+**11·2**	+ 8·7	+ 9·9	+ 8·9	+ 5·9	+ 4·1	+ 1·5	+ 3·3
April ...	+ 6·0	+ 3·7	+ 1·1	+ 3·0	+ 5·4	+ 7·4	+ 2·8	− 5·5	−15·7	−26·9	−**30·5**	−25·9	−17·7	− 6·8	− 1·1	+ 3·1	+11·4	+14·3	+**16·1**	+15·5	+12·4	+12·5	+ 7·4	+ 7·2
May ...	− 3·0	− 4·5	0·0	+ 0·9	+ 0·4	− 0·2	− 5·0	−11·6	−18·6	−24·0	−**24·8**	−19·3	−12·9	− 5·1	+ 2·7	+ 8·4	+17·9	+**27·8**	+23·4	+17·4	+12·6	+ 9·4	+ 7·4	+ 1·1
June ...	+ 1·2	− 1·2	− 4·6	− 2·4	− 1·0	− 2·7	− 8·0	−14·1	−21·0	−27·9	−**29·8**	−23·2	−13·1	− 2·7	+ 9·5	+15·5	+23·0	+**24·7**	+22·2	+19·4	+14·8	+ 8·6	+ 7·4	+ 5·8
July ...	+ 0·5	− 2·5	− 0·7	− 1·5	− 1·1	− 1·0	− 5·0	−10·8	−16·4	−19·5	−**19·8**	−17·6	−10·2	− 3·2	− 0·5	+ 5·1	+10·6	+17·6	+**20·6**	+18·4	+13·8	+10·4	+ 8·5	+ 4·3
Aug. ...	+ 4·5	+ 3·3	+ 3·8	+ 2·4	+ 4·6	− 0·3	− 5·9	−12·8	−19·3	−25·2	−**25·6**	−19·2	−10·9	− 1·3	+ 4·3	+ 7·4	+10·7	+13·7	+**15·7**	+15·7	+11·1	+ 9·2	+ 7·5	+ 6·6
Sept. ...	− 7·1	− 5·2	+ 0·6	+ 5·1	+ 4·5	+ 3·8	+ 1·6	− 4·2	−11·9	−18·8	−**19·8**	−16·0	− 9·3	− 1·3	+ 3·8	+ 7·1	+12·5	+**15·5**	+12·6	+12·9	+ 9·5	− 0·6	+ 4·0	+ 1·4
Oct. ...	+ 0·1	+ 1·6	− 2·2	+ 3·1	+ 5·2	+ 6·8	+ 7·8	+ 1·6	− 7·2	−11·8	−**12·5**	− 9·2	− 4·6	− 0·4	+ 7·1	+10·4	+10·1	+**10·9**	+ 6·3	+ 2·7	− 1·3	− 6·6	−10·8	− 8·0
Nov. ...	− 0·6	− 1·5	+ 0·8	+ 2·5	+ 5·0	+ **5·7**	+ 4·9	+ 1·7	− 4·3	− 6·7	− **7·9**	− 5·6	− 3·0	− 0·9	+ 0·7	+ 0·3	+ 1·2	+ 1·9	+ 2·1	+ 2·2	+ 2·2	− 0·1	− 0·6	− 0·3
Dec.	− 0·6	− 2·0	− 1·5	+ 0·2	+ 3·9	+ **5·5**	+ 5·4	+ 3·5	+ 0·2	− 1·1	− **3·5**	− **3·5**	− 2·8	− 0·2	+ 1·1	+ 1·6	+ 0·1	+ 0·3	+ 0·2	− 2·1	− 1·3	− 1·7	− 0·6	− 1·0
Year ...	− 0·5	− 2·0	− 1·0	+ 1·2	+ 3·3	+ 3·7	+ 1·2	− 3·7	−10·1	−15·6	−**17·1**	−14·1	− 8·6	− 2·2	+ 2·9	+ 6·0	+ 9·6	+**11·7**	+11·2	+ 9·4	+ 7·0	+ 4·0	+ 2·6	+ 0·9
Winter ...	− 0·8	− 3·3	− 1·3	+ 1·0	+ 4·4	+ **6·3**	+ 5·5	+ 3·1	− 1·4	− 4·8	− **6·3**	− 6·0	− 3·7	− 0·4	+ 1·3	+ 1·8	+ 2·0	+ 1·9	+ 1·9	+ 0·3	+ 1·4	+ 0·3	− 0·6	− 2·6
Equinox...	− 1·6	− 1·4	− 1·4	+ 2·8	+ 4·7	+ 6·0	+ 4·2	− 1·9	−10·1	−17·7	−**20·0**	−16·5	−10·3	− 3·0	+ 3·6	+ 7·2	+11·3	+**12·4**	+11·2	+10·0	+ 6·6	+ 2·4	+ 0·5	+ 1·0
Summer ...	+ 0·8	− 1·2	− 0·4	− 0·2	+ 0·7	− 1·1	− 6·0	−12·3	−18·8	−24·2	−**25·0**	−19·8	−11·8	− 3·1	+ 4·0	+ 9·1	+15·5	+**21·0**	+20·5	+17·7	+13·1	+ 9·4	+ 7·7	+ 4·4

HORIZONTAL FORCE (*Quiet Days*).

10. Lerwick. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 0·9	− 1·5	− 0·8	+ 0·3	+ 1·6	+ 2·3	+ **2·6**	+ 1·6	− 0·5	− 2·7	− **3·3**	− 2·5	− 1·3	+ 0·9	+ 0·4	+ 0·3	+ 0·5	− 0·2	+ 0·4	− 0·4	+ 1·1	+ 0·7	+ 0·8	+ 0·6
Feb. ...	+ 1·7	+ 0·3	+ 1·0	+ 2·1	+ 3·3	+ **5·3**	+ 5·2	+ 2·2	− 3·5	− 8·5	−**11·7**	−11·0	− 8·7	− 4·8	− 1·5	+ 0·7	+ 3·2	+ 3·9	+ 4·6	+ 4·3	+ 4·2	+ 3·2	+ 2·7	+ 1·8
Mar. ...	+ 3·2	+ 2·3	+ 2·8	+ 3·1	+ 3·7	+ **5·3**	+ 5·3	+ 2·8	− 2·4	− 7·7	−14·3	−**15·2**	−12·0	− 7·2	− 1·8	− 0·7	+ 2·1	+ 2·6	+ 3·9	+ 4·8	+ 5·0	+ 5·0	+ 4·9	+ 4·5
April ...	+ 6·1	+ 4·6	+ 4·0	+ 5·0	+ 5·8	+ 4·7	+ 1·2	− 7·8	−17·9	−26·5	−**28·6**	−24·3	−15·8	− 6·8	+ 0·6	+ 6·6	+ 9·8	+12·0	+**15·5**	+14·0	+11·5	+ 9·7	+ 8·1	+ 8·5
May ...	+ 3·0	+ 1·9	+ 2·3	+ 2·5	+ 2·4	+ 1·9	− 2·4	− 8·9	−16·2	−22·1	−**25·9**	−23·0	−13·9	− 6·8	− 0·4	+ 5·6	+10·5	+16·3	+**20·0**	+15·8	+12·7	+ 9·0	+ 9·2	+ 6·4
June ...	+ 2·1	+ 1·8	+ 5·2	+ 5·4	+ 4·1	+ 1·1	− 3·4	− 9·4	−15·1	−23·7	−**27·1**	−23·2	−15·9	− 7·9	+ 1·0	+ 7·4	+14·1	+**16·3**	+15·5	+14·7	+13·1	+10·5	+ 7·2	+ 6·2
July ...	+ 4·5	+ 4·6	+ 4·2	+ 3·8	+ 2·4	− 2·2	− 5·9	−10·1	−17·3	−**19·8**	−19·7	−14·7	− 8·0	− 2·8	− 0·8	+ 0·8	+ 5·8	+10·1	+15·6	+**16·1**	+11·9	+ 8·8	+ 7·4	+ 5·6
Aug. ...	+ 4·3	+ 3·9	+ 3·7	+ 3·2	+ 3·3	+ 2·1	− 1·8	− 7·5	−15·6	−22·8	−**25·2**	−23·6	−14·5	− 6·0	− 0·1	+ 6·2	+11·7	+13·2	+14·0	+**14·9**	+12·5	+ 9·3	+ 7·5	+ 7·4
Sept. ...	+ 6·5	+ 6·6	+ 6·2	+ 5·9	+ 5·9	+ 5·7	+ 2·6	− 3·7	−11·0	−20·5	−**23·5**	−21·4	−15·2	− 8·4	− 3·7	− 1·6	+ 3·4	+ 6·5	+ 8·7	+11·4	+ 9·7	+**11·5**	+ 9·7	+ 8·7
Oct. ...	+ 3·8	+ 3·9	+ 3·5	+ 3·4	+ 2·7	+ 2·9	+ 0·9	− 2·4	−10·1	−14·3	−**16·4**	−13·5	− 8·5	− 5·3	− 3·3	− 0·1	+ 4·1	+ 6·3	+ **7·9**	+ 7·5	+ **7·9**	+ 7·7	+ 6·3	+ 5·3
Nov. ...	+ 0·5	− 0·6	+ 0·2	+ 1·6	+ 4·0	+ 4·6	+ 3·7	− 0·2	− 5·1	− 6·3	− **8·6**	− 7·0	− 4·6	− 2·5	+ 0·1	+ 0·3	+ 2·1	+ 4·5	+ **4·9**	+ 2·5	+ 1·2	+ 1·5	+ 2·4	+ 0·9
Dec. ...	− 2·4	− 2·6	− 0·5	+ 1·4	+ 2·5	+ **2·8**	+ 1·6	+ 1·8	− 0·5	− 0·1	− 0·3	− 2·6	− 2·2	− 0·7	+ 1·4	+ 1·8	+ 2·5	+ 1·7	+ 1·0	− 0·4	− 1·3	− 0·7	− 1·6	− **2·8**
Year ...	+ 2·7	+ 2·1	+ 2·7	+ 3·1	+ 3·5	+ 3·0	+ 0·8	− 3·5	− 9·6	−14·6	−**17·1**	−15·2	−10·0	− 4·9	− 0·7	+ 2·3	+ 5·8	+ 7·8	+ **9·3**	+ 8·8	+ 7·5	+ 6·4	+ 5·4	+ 4·4
Winter ...	− 0·3	− 1·1	0·0	+ 1·3	+ 2·9	+ **3·8**	+ 3·3	+ 1·3	− 2·4	− 4·4	− **6·0**	− 5·8	− 4·2	− 1·8	+ 0·1	+ 0·8	+ 2·1	+ 2·5	+ 2·7	+ 1·5	+ 1·3	+ 1·2	+ 1·1	+ 0·1
Equinox...	+ 4·9	+ 4·4	+ 4·1	+ 4·3	+ 4·5	+ 4·6	+ 2·5	− 2·8	−10·4	−17·2	−**20·7**	−18·6	−12·9	− 6·9	− 2·0	+ 1·1	+ 4·8	+ 6·9	+ 9·0	+ **9·4**	+ 8·5	+ 8·5	+ 7·3	+ 6·7
Summer ...	+ 3·5	+ 3·1	+ 3·8	+ 3·7	+ 3·0	+ 0·7	− 3·4	− 9·0	−16·0	−22·1	−**24·5**	−21·1	−13·1	− 5·9	− 0·1	+ 5·0	+10·5	+14·0	+**16·3**	+15·4	+12·6	+ 9·4	+ 7·8	+ 6·4

HORIZONTAL FORCE (*Disturbed Days*).

11. Lerwick. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 5·1	−**10·5**	− 5·9	+ 1·2	+ 2·5	+ 7·5	+ 5·6	+ **7·7**	+ 3·3	− 0·2	− 3·5	− 3·8	+ 0·2	+ 2·8	+ 2·6	+ 4·1	+ 2·7	− 4·5	− 1·1	− 0·4	+ 0·7	+ 0·2	− 0·8	− 5·3
Feb. ...	0·0	−30·4	−15·1	0·0	+10·8	+11·4	+ 6·5	+ 3·2	− 7·3	−22·2	− 8·8	− 7·2	+ 1·7	+ 8·3	+12·0	+19·3	+**24·2**	+22·2	+17·6	+ 5·1	+ 8·6	+ 0·9	−16·8	−**43·9**
Mar. ...	−**50·0**	−45·5	−43·3	−14·8	− 7·0	+ 5·7	+ 0·8	− 3·0	− 8·2	−16·1	−18·0	−11·9	+ 0·8	+10·4	+32·6	+45·9	+**60·7**	+34·4	+27·4	+23·3	− 1·1	− 5·4	−19·7	+ 1·9
April ...	+ 1·8	− 5·7	−12·5	−10·0	− 5·3	+ 8·2	+ 0·8	−10·4	−18·8	−28·5	−**36·7**	−29·2	−15·1	+ 3·5	+ 4·5	+ 9·1	+**28·6**	+25·6	+28·4	+24·0	+17·5	+15·7	+ 5·4	− 0·9
May ...	−30·4	−36·3	− 8·9	− 8·9	− 9·8	− 5·8	−14·2	−23·4	−34·2	−**36·7**	−29·6	−15·7	− 6·3	+12·9	+24·8	+20·6	+48·1	+**73·1**	+37·0	+21·4	+19·6	+10·8	+ 8·3	−16·5
June ...	− 9·0	−15·6	−**42·5**	−12·7	− 4·0	− 6·6	−20·5	−26·9	−31·0	−39·7	−38·9	−22·4	−12·6	+ 4·6	+34·4	+47·5	+**66·5**	+57·0	+31·7	+23·0	+15·6	− 2·7	+ 3·0	+ 1·8
July ...	− 9·9	−22·7	−10·5	−10·7	− 8·1	+ 2·3	− 5·4	−13·9	−19·4	−19·1	−17·9	−**24·7**	−11·4	− 4·0	+ 2·2	+12·1	+18·5	+34·7	+**36·8**	+26·4	+18·3	+12·1	+10·3	+ 4·0
Aug. ...	+ 4·7	+ 3·1	+ 2·4	− 1·3	+ 5·3	− 3·3	−15·0	−23·2	−20·6	−26·0	−**27·7**	−14·5	− 7·0	+ 4·8	+ 8·2	+ 7·2	+11·2	+18·1	+21·0	+**23·0**	+10·4	+ 9·9	+ 4·9	+ 4·4
Sept. ...	−**65·7**	−57·8	−19·7	+ 9·2	− 4·5	− 1·1	+ 8·5	+10·9	+ 5·2	− 3·8	− 4·8	− 1·6	+ 6·4	+22·2	+29·9	+27·3	+48·1	+**48·7**	+21·9	+17·6	+ 5·8	−50·6	−19·1	−33·0
Oct. ...	−15·2	− 7·9	−31·2	− 2·6	+ 2·3	+ 5·9	+22·0	+17·7	+ 8·3	+ 7·4	+15·4	+22·1	+31·7	+30·2	+47·4	+**53·0**	+42·6	+35·5	− 0·4	−16·0	−33·4	−71·3	−**91·8**	−71·7
Nov. ...	− 2·3	− 0·7	+ 2·3	+ 4·7	+ **8·7**	+ 8·4	+ 7·5	+ 6·3	− 3·2	− 8·9	−**10·0**	− 6·4	− 4·5	− 2·7	+ 1·5	− 0·9	− 1·4	+ 0·4	− 2·2	+ 0·6	+ 5·4	+ 1·4	− 3·4	− 0·6
Dec. ...	+ 4·3	+ 0·8	+ 0·1	− 2·7	+ 7·4	+ 7·4	+ **7·7**	+ 7·2	+ 5·3	− 3·9	− **8·2**	− 4·7	− 5·3	− 3·3	− 1·3	− 0·5	− 4·4	− 0·3	− 0·1	− 5·0	+ 1·4	− 4·0	+ 0·9	+ 1·3
Year ...	−14·7	−**19·1**	−15·4	− 4·1	− 0·2	+ 3·3	+ 0·4	− 4·0	−10·0	−16·5	−15·7	−10·0	− 1·8	+ 7·5	+16·6	+20·4	+**28·8**	+28·7	+18·2	+11·9	+ 5·7	− 6·9	− 9·9	−13·2
Winter ...	− 0·8	−10·2	− 4·7	+ 0·8	+ 7·3	+ **8·7**	+ 6·8	+ 6·1	− 0·5	− 8·8	− 7·6	− 5·5	− 2·0	+ 1·3	+ 3·7	+ 5·5	+ 5·3	+ 4·5	+ 3·5	+ 0·1	+ 4·0	− 0·4	− 5·0	−**12·1**
Equinox...	−**32·3**	−29·2	−26·7	− 4·6	− 3·6	+ 4·7	+ 8·0	+ 3·8	− 3·4	−10·2	−11·0	− 5·1	+ 6·0	+16·6	+28·6	+33·8	+**45·0**	+36·0	+19·3	+12·2	− 2·8	−27·9	−31·3	−25·9
Summer ...	−11·1	−17·9	−14·9	− 8·4	− 4·2	− 3·4	−13·8	−21·8	−26·3	−**30·4**	−28·5	−19·3	− 9·3	+ 4·6	+17·4	+21·9	+36·1	+**45·7**	+31·6	+23·5	+16·0	+ 7·5	+ 6·6	− 1·6

AURORAL LOG.

12. Lerwick. **1923.**

Date.	Month.	Date.	Month.	Date.	Month.	Date.	Month
	January.		**March.**		**September.**		**November.**
2 ...	Moonlight.	18 Ш		10 ...	} But reported to have been seen in Shetland.	3 ...	Showers.
6 ...		19 ...		11 ...		4 ...	Showers.
8 ...	Showers.	20 ...		12 ...		5 ...	Showers.
9 ...		21 Ш	Diffuse glow.	14 ...		6 ...	
10 ...		22 ...		18 ...		7 ...	Showers.
11 ...		23 ...		20 ...	Moonlight.	9 ...	
12 ...		25 ...		21 ...	Moonlight.	16 ...	
14 ...	Showers.	26 ...		24 ...	Moonlight.	19 ...	Moonlight.
16 ...				28 ...	Showers.	21 ...	
17 ...						23 ...	Moonlight.
18 ...			**April.**			25 ...	Moonlight.
19 ...	Showers.	3 ...				28 ...	Showers.
20 ...	Showers.	4 ...				29 ...	Showers.
22 Ш	Faint glow.	5 ...				30 ...	
		8 Ш	Glow.				
		9 Ш	Glow.		**October.**		
	February.	10 Ш	Faint.	1 ...			**December.**
5 ...		16 ...		2 ...	Showers.	3 ...	
14 ...	Showers.	17 ...	Showers.	3 ...		4 ...	
15 ...	Showers..	18 ...		4 ...		5 ...	
22 ...	Showers.	22 Ш	Glow 22·00–23·00.	7 ...		8 ...	Showers.
24 ...		23 ...		10 Ш	Glow 20·00–01·00.	11 ...	
		24 ...		11 Ш	Faint glow.	12 ...	Showers.
		26 ...	Moonlight.	12 Ш		13 ...	Rain.
		27 ...	Moonlight.	13 Ш	Faint glow.	14 ...	Showers.
	March.	28 ...	Moonlight.	14 Ш	Faint glow.	17 ...	Moonlight, showers.
4 ...	Moonlight.	29 ...	Moonlight.	15 Ш	Bright 19·00–20·30.*	19 ...	
5 ...	Showers.			16 ...		20 ...	Moonlight.
6 ...				17 ...	Showers.	22 ...	Moonlight.
7 ...	Showers.			19 ...	Moonlight.	23 ...	Moonlight.
8 ...	Showers.		**September.**	21 ...	Moonlight, showers.	24 ...	Moonlight.
9 ...		2 ...	Reported elsewhere in Shetland, but not seen at Observatory.	22 ...	Moonlight, showers.	25 ...	Moonlight.
11 ...	Showers.			23 ...	Moonlight.	26 ...	
13 ...				27 ...		27 ...	
14 Ш	Bright 21·00–00·30.*	4 ...		28 ...	Showers.	28 Ш	Weak.
16 ...		7 ...		30 ...	Showers.	29 ...	
17 ...		9 ...		31 ...			

In the interests of brevity there have been omitted from the table above all dates on which the sky throughout the evening remained completely overcast and on which, therefore, no opportunity arose of determining whether or not aurora occurred. The nights on which aurora was actually seen are indicated by the symbol Ш. The nights on which aurora was not seen, despite, at least an occasional interval of more or less clear sky are indicated by the symbol . . .; in the latter case also, remarks on the weather are added to assist the reader in judging how far the fact of no observation of aurora may be taken as indicating that there was not actual aurora. An asterisk (*) after any date indicates that a full description is available of the auroral phenomena observed on the date in question.

M.O. 279
(Aberdeen)

FOR OFFICIAL USE.

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1923

Comprising the results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

ABERDEEN

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1926

ABERDEEN OBSERVATORY.

Latitude	57° 10 ′ N.
Longitude	2° 6 ′ W.
G.M.T. of Local Mean Noon	12h. 8m.

Heights in metres above Sea-Level.

Barometer	26·8
Rain-gauge	14·0
Robinson Cup Anemograph	37
Dines Tube Anemograph	21

Heights in metres above ground.

Thermometer Bulbs, North Wall Screen ..	12·5
Sunshine Recorder	20·7
Robinson Cup Anemograph	23
Dines Tube Anemograph	13

INTRODUCTION.

SITE.

The Observatory which was established in 1868 is housed in the top floor of the Cromwell Tower of King's College in Old Aberdeen. The College lies on a plain gradually rising from the sea from which it is distant about 1 mile (1·6 km). There are no serious irregularities of surface in the vicinity excepting the two river valleys of the Don and the Dee. To the north, at a distance of about 1 km. the Don flows eastwards to the sea ; the Dee flows into the sea at a distance of about 3 km. to the south-east of the College. Between the college and the sea is a golf course covered for the most part with grass. Westwards is the High Street of the Old Town and beyond this there is another street. Further west grass pasture extends for about one kilometre. Southward are some open spaces beyond which the modern town is reached. The enclosure in which the Stevenson screen, the Beckley and check rain-gauges and the grass minimum thermometer are exposed, lies to the north-east of the Observatory at a distance of about 50 metres. The " North-wall " screen in which the recording thermometers are exposed is erected on the wall outside the north window of the uppermost story of the Observatory. The nature of the soil and sub-soil is loam and sand.

The plan in Fig. 6 shows the position of the Observatory relative to the City of Aberdeen, and the plan in Fig. 7 shows the arrangement of the College buildings and the positions therein of the Observatory Tower and the screen enclosure. The photographs given include :—

Fig. 8, view of the Observatory Tower, as seen from N.E.

Fig. 9, screen and rain-gauge enclosure from S.S.W.

METEOROLOGY.

The elements dealt with in the following tables are :—Atmospheric pressure, air temperature, humidity, rainfall, sunshine, wind speed and direction, earth temperature and minimum temperature on the grass, together with a diary of cloud and weather.

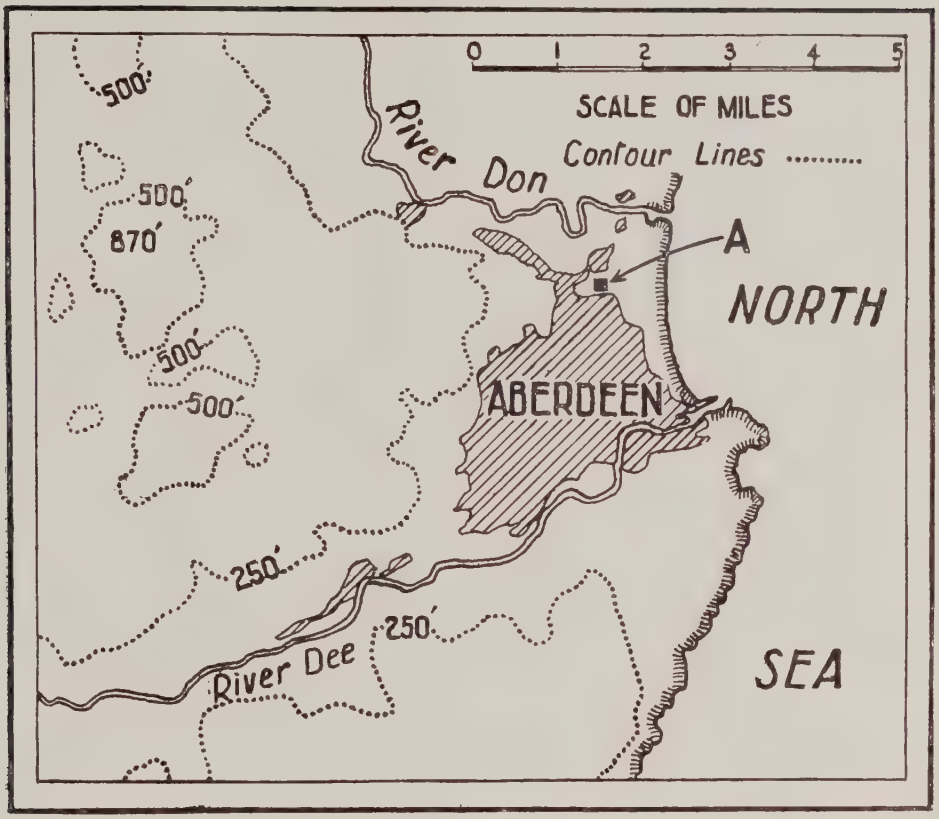

FIG. 6. A shows position of Observatory. Shaded areas represent the City of Aberdeen. Figures indicate heights in feet above M.S.L.

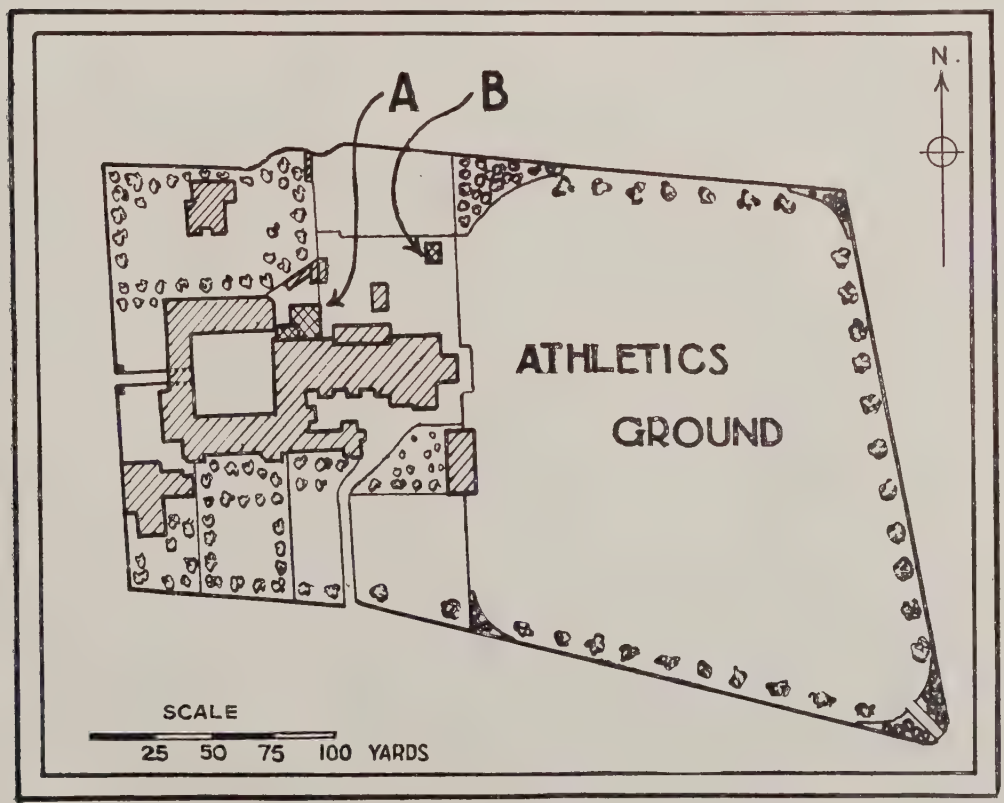

FIG. 7.—PLAN OF COLLEGE BUILDINGS. A is Observatory Tower. B is Stevenson Screen enclosure.

[*To face p.* 34.

FIG. 8. OBSERVATORY TOWER (seen from N.E.)

FIG. 9. STEVENSON SCREEN AND RAINGAUGE ENCLOSURE (seen from S.S.W.)

To face page 35.]

The instruments from which values of the above elements have been obtained and the methods of tabulating the records are described in the General Introduction to this volume. The following additional information refers especially to Aberdeen.

Pressure and Temperature.—The barograph, standard Kew barometer and thermograph are housed in the uppermost story of the Observatory (see Fig. 8). The pressure scale value of the barogram is 1 mm. on the paper = 0·85 mb., when the paper is at normal atmospheric humidity. In similar circumstances the time scale is 9·3 mm. = 1 hour. The records of the photobarograph are standardised by means of control readings taken from Fortin Standard Barometer M.O. 273.

The recording thermometers are placed in the North-wall screen already referred to. The scale value of the wet bulb thermograph record is 1° absolute = 3·20 millimetres on the paper; for the dry bulb thermograph the scale value varies slightly with the temperature but is approximately 1° absolute = 3·4 millimetres. The time scale is 1 hour = 9·23 millimetres. Reading of the photothermograms is done by means of glass measuring scales, the records being standardised by control readings from Standard Thermometers M.O. 1698 (dry bulb) and M.O. 1697 (wet bulb). The heights of the barometer cisterns and of the bulbs of the thermometers are given at the top of the appropriate tables.

Rainfall.—The recording instrument in use is Beckley rain-gauge No. 2 with an area of 101·1 square inches (653 cm².). The procedure adopted in tabulating the records is similar to that described in the General Introduction and calls for no comment. Control is by check gauge M.O. 167.

Humidity.—On those occasions when the temperature of the wet bulb has been 273a or under, the relative humidity has been obtained from the records of a hair hygrograph (M.O. 35). This instrument is accommodated in a small louvred screen which rests on top of the Stevenson screen and is securely fixed to it. The hygrograph is 11·6 metres below the level of the thermograph bulbs in the North-wall screen, and in using its records an appropriate adjustment is made.

Sunshine.—The sunshine recorder (Campbell Stokes type, M.O. 32) is exposed on the small circular tower on the Observatory roof on which the Robinson Cup Anemograph is erected. It is rigidly held by lead flaps soldered to the lead roof. The exposure is excellent, the only obstruction is a flagpole to the east, of angular diameter about 1°, which may obstruct 0·1 hr. record about 7h between April and September. The "possible" duration of sunshine has been computed from the mean solar declination for the four years 1849, 1850, 1851, and 1852.

Wind Speed and Direction.—The Robinson cup anemograph (M.O. 50) is erected on the top of a small cylindrical tower which rises about fifteen feet (4·6 m.) above the main square tower and about five feet (1·5 m.) above a smaller tower at the south-west corner of the main tower. The height of the cups above this smaller square tower (which may for the purpose be regarded as the "roof" of the building) is about 4 metres. Owing to the surrounding buildings the exposure of the instrument is a very gusty one, particularly towards south and west.

There is also in use a Dines Tube Anemograph (M.O. 1011), which is mounted in a more open exposure in a field about ½ km. east of the Observatory. The speeds given in Tables 83–94 are those obtained from the Cup Anemograph, but the directions are taken from the records of the Tube instrument, as are also the particulars of the highest gust each day and the annual table of distribution of wind speed given in Tables 95–96.

A careful analysis of simultaneous records of the two anemographs* has shown that the directions recorded by the two instruments differ only very slightly; but the values of velocity show considerable differences. Those recorded by the tube

* To be published later as a Geophysical Memoir.

instrument exceed those recorded by the Cup Anemograph by between 10 and 30 per cent., depending upon the direction of the wind. This fact must therefore be borne in mind in using the values entered in Table 96 giving the annual distribution of wind speed. The monthly tables of hourly values are obtained from the Cup Anemograph velocities, in order to maintain continuity with previous years' publications.

Temperature in the Ground.—This is recorded by a thermometer (unnumbered), which is kept at a depth of 124 cm. (four feet). At Aberdeen the thermometer is carried in a slot near the end of a long bar of wood, about three inches (7·5 cm.) square in section. This bar fits closely into a wooden sleeve, sunk vertically into the earth, so that the bulb of the thermometer is at the required depth. The thermometer itself is enclosed in a glass tube, and its bulb is embedded in paraffin wax so as to render the thermometer insensible to sudden changes of temperature. This allows of its being drawn to the surface and read before the temperature of the bulb has time to change appreciably. As underground temperature changes very slowly, the loss of sensitiveness, resulting from the coating of wax, does not lead to inaccuracies in the determination of the temperature of the earth. The thermometer is read at 9h each morning.

Minimum Temperature on the Grass.—The grass minimum thermometer (M.O. 17007) is exposed in the enclosure on two wooden pegs about 4 cm. above grass. It is set at 18h and read at 7h, the reading being entered to the day of observation.

Readings in millibars at exact hours, Greenwich Mean Time.

13. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·8 metres. **January, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	996·0	996·7	997·1	997·7	998·8	999·4	000·3	000·9	001·8	002·5	002·5	002·8	003·1	003·3	003·5	004·3	004·3	004·4	004·2	004·2	003·5	002·8	002·4	001·5	001·5
2	000·1	998·8	997·1	995·0	993·2	991·6	989·8	987·9	986·5	984·9	984·1	984·0	984·3	984·1	983·7	983·1	981·8	981·4	980·0	979·1	978·5	977·6	977·0	976·9	986·4
3	976·7	977·2	977·6	978·1	978·7	978·9	980·1	980·7	981·7	983·2	983·4	984·0	984·2	984·4	985·1	986·1	987·6	988·9	990·4	991·7	993·6	995·0	996·2	997·5	984·6
4	998·5	000·3	001·5	002·9	004·3	005·4	006·6	007·8	009·1	010·3	010·8	011·5	011·7	011·7	012·2	012·2	011·8	012·0	011·8	011·7	011·2	010·5	009·6	009·5	008·3
5	007·2	005·8	004·9	003·7	002·9	000·1	999·3	998·7	996·8	995·9	994·5	993·2	991·9	991·4	991·6	991·7	992·7	993·4	994·2	994·9	995·9	997·0	997·8	998·3	997·5
6	999·1	999·7	000·3	000·6	001·0	001·2	002·2	003·1	004·2	005·1	005·5	005·9	006·6	007·3	007·7	008·3	008·3	008·3	008·2	008·0	007·8	007·3	006·3	005·6	004·7
7	004·7	003·7	002·6	001·1	000·0	999·4	998·4	998·6	998·6	998·7	998·8	998·3	997·6	997·5	997·1	997·1	996·5	996·0	995·6	995·5	995·3	994·8	994·2	993·4	998·3
8	993·0	992·1	990·9	991·4	992·0	993·4	995·1	996·5	997·8	998·9	999·8	000·0	001·5	002·2	002·6	003·6	004·6	004·9	005·4	005·7	005·5	005·4	004·1	002·8	999·4
9	001·0	999·6	995·8	994·6	993·1	991·6	991·2	991·5	991·5	991·2	990·8	989·1	987·9	986·8	986·0	985·5	985·3	985·0	984·2	982·5	981·3	979·5	978·7	977·4	988·9
10	975·1	974·9	974·3	973·7	973·5	973·6	975·0	976·3	977·1	978·1	979·7	981·0	982·2	984·2	985·5	986·7	987·9	990·0	991·3	991·8	991·7	992·5	992·9	993·4	**982·3**
11	994·2	994·6	995·2	995·4	996·0	996·3	996·9	997·1	997·2	997·0	999·2	000·3	001·6	003·2	004·5	005·7	006·7	007·5	008·6	009·4	010·1	010·7	011·5	011·9	001·7
12	012·1	012·5	013·3	013·5	014·1	014·8	015·3	016·0	016·4	016·6	017·5	017·7	017·9	018·0	018·2	018·7	019·0	019·2	019·6	020·0	020·0	019·8	019·7	019·6	016·9
13	019·0	019·1	018·9	018·0	017·4	016·5	016·2	016·0	014·5	013·4	011·7	010·4	009·5	009·0	008·7	008·5	008·5	008·7	008·6	008·5	008·4	007·6	007·3	006·8	012·4
14	005·8	005·0	003·6	001·9	000·1	000·2	000·9	002·8	004·3	004·8	005·7	006·1	006·3	006·5	007·3	007·3	007·4	007·6	007·8	008·2	008·0	008·4	008·4	008·5	005·5
15	009·3	009·9	010·1	010·8	011·7	012·4	012·8	012·9	014·0	014·8	015·6	015·7	016·1	016·2	016·8	017·3	018·5	018·6	019·2	019·7	020·4	021·1	021·5	022·3	015·5
16	022·7	022·8	023·2	023·6	024·0	024·3	025·0	025·4	025·7	025·7	025·9	025·5	025·3	025·1	025·1	024·9	024·9	024·7	024·9	024·8	024·8	024·5	024·5	024·0	024·6
17	023·5	023·3	023·2	022·8	022·6	022·0	022·9	023·2	023·3	023·2	023·3	022·7	022·3	022·2	022·3	022·4	022·6	022·7	023·0	023·3	023·2	023·2	023·3	023·6	023·0
18	023·8	024·5	024·5	024·4	024·8	024·9	025·3	026·2	026·7	026·9	027·1	027·2	027·0	026·8	026·2	026·4	025·7	025·0	024·9	024·6	024·1	022·9	024·0	023·7	**025·3**
19	023·8	023·8	024·0	022·8	022·4	020·8	019·6	018·4	017·2	013·8	011·2	007·7	004·3	003·6	001·7	001·9	002·4	002·6	002·8	002·5	002·5	003·0	003·3	003·5	011·2
20	003·9	003·4	002·6	002·8	003·5	003·7	004·4	007·0	009·4	011·4	012·5	013·9	015·0	016·1	017·6	018·3	019·0	019·6	020·0	020·0	020·6	020·3	020·4	02·04	012·4
21	020·1	019·8	019·2	018·4	017·6	016·4	015·4	015·0	014·9	014·5	014·3	013·6	013·4	012·8	012·1	013·7	013·6	013·5	013·8	013·6	013·8	013·8	013·6	013·0	015·1
22	012·4	012·6	012·3	012·1	011·6	011·5	010·9	010·5	010·1	010·3	010·5	010·9	011·3	012·0	012·7	013·2	014·8	016·5	016·9	018·8	020·6	021·7	022·2	023·6	013·9
23	024·6	025·5	026·2	026·2	026·7	026·9	027·0	026·4	026·1	025·5	024·5	022·5	021·2	019·2	017·9	016·9	016·1	015·4	014·7	012·7	012·8	012·0	011·1	010·9	020·6
24	011·3	011·5	012·1	012·1	012·9	012·8	013·2	014·5	015·2	015·8	016·0	016·2	016·2	016·5	017·1	017·0	018·2	018·8	019·9	020·2	020·8	021·1	021·5	021·7	016·1
25	021·9	022·2	022·6	022·7	022·9	023·1	023·4	023·8	024·1	024·3	023·9	022·5	022·0	021·3	020·8	021·3	021·3	021·2	021·2	021·5	021·3	020·8	020·5	020·8	022·2
26	020·7	020·2	020·2	020·5	020·1	020·2	020·5	020·7	020·7	021·1	020·9	020·6	020·3	020·3	019·9	020·0	020·0	019·3	018·8	018·0	018·0	017·3	016·7	016·1	019·7
27	015·2	014·5	014·3	013·0	012·0	011·5	010·8	010·2	010·3	010·3	010·1	010·0	010·5	010·8	011·0	011·5	012·0	012·8	013·0	013·6	014·1	014·5	014·7	015·0	012·3
28	015·2	015·5	015·6	015·8	015·8	016·0	016·3	016·5	016·8	016·9	016·9	016·5	016·5	015·7	015·1	014·4	014·0	013·4	013·1	012·3	011·8	011·1	010·6	009·9	014·7
29	009·1	008·3	007·6	006·8	005·9	005·2	005·4	005·5	006·0	006·5	006·5	006·8	007·1	007·2	007·5	008·2	008·8	009·2	010·1	010·8	011·4	011·8	012·3	012·6	008·1
30	012·7	012·7	012·7	012·8	012·5	012·4	012·0	011·6	011·5	011·1	010·8	010·3	009·7	009·1	008·4	007·6	007·2	007·1	006·5	006·0	006·0	005·8	005·8	006·4	009·7
31	006·8	007·3	007·5	008·6	008·2	007·7	007·9	007·9	007·7	006·9	006·6	005·7	004·6	003·3	001·7	000·5	999·9	999·4	998·0	997·3	996·5	995·3	994·1	993·6	003·3
Mean (Station level)	1008 ·37	1008 ·32	1008 ·10	1007 ·86	1007 ·75	**1007 ·57**	1007 ·74	1008 ·05	1008 ·29	1008 ·37	1008 ·41	1008 ·16	1008 ·04	1007 ·99	1008 ·00	1008 ·20	1008 ·43	1008 ·62	1008 ·73	1008 ·76	**1008 ·82**	1008 ·68	1008 ·59	1008 ·52	1008 ·27
Mean (Sea level)	1011 ·69	1011 ·64	1011 ·41	1011 ·17	1011 ·07	**1010 ·89**	1011 ·06	1011 ·37	1011 ·61	1011 ·68	1011 ·72	1011 ·47	1011 ·34	1011 ·29	1011 ·30	1011 ·51	1011 ·74	1011 ·93	1012 ·04	1012 ·07	**1012 ·13**	1011 ·99	1011 ·90	1011 ·83	1011 ·58

14. Aberdeen : H_b=26·8 metres. **February, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	992·7	992·4	993·3	993·8	993·7	994·4	994·9	995·3	995·9	996·1	996·1	995·9	995·9	995·0	994·6	994·5	993·8	993·6	992·7	991·2	990·0	988·0	986·4	986·0	993·3
2	987·2	988·3	989·7	991·1	992·2	993·9	995·2	996·6	997·8	998·6	999·4	999·7	000·0	000·3	000·4	001·2	001·2	001·2	000·6	000·6	999·9	998·9	998·0	997·3	996·8
3	996·0	994·9	994·1	993·6	993·6	993·2	993·1	993·3	993·7	994·7	995·1	995·7	996·6	997·1	997·5	998·9	999·8	000·5	001·0	001·6	002·3	003·1	003·6	004·5	997·2
4	005·5	006·1	006·8	007·3	008·0	008·8	009·4	010·2	011·1	011·9	012·1	012·1	012·2	012·2	012·1	011·9	011·9	011·9	011·5	011·2	010·4	010·1	009·4	008·7	010·0
5	007·6	007·4	005·9	004·7	003·3	002·6	000·9	000·4	998·7	999·9	000·0	998·9	998·8	998·4	998·4	998·1	998·2	998·1	997·6	996·8	996·5	995·5	994·8	994·1	000·1
6	993·4	992·5	991·1	989·8	989·0	989·2	988·3	987·7	987·4	986·3	985·6	986·1	985·9	985·7	985·6	985·1	985·3	985·3	984·8	984·6	984·1	983·7	983·5	983·4	987·0
7	983·1	982·9	982·3	983·0	983·6	984·5	984·3	983·7	982·9	981·5	979·8	977·5	976·1	975·0	973·7	974·0	974·0	974·5	974·4	975·3	975·8	975·7	975·5	975·3	978·9
8	974·7	974·7	974·4	973·4	971·2	970·8	970·5	970·2	969·5	968·7	969·4	970·0	971·0	972·5	973·6	975·1	977·2	978·9	980·8	982·0	983·1	984·8	985·8	987·4	975·2
9	988·6	989·5	990·5	991·8	992·9	993·8	994·7	995·0	997·0	998·2	999·2	999·9	000·4	000·9	001·2	001·3	001·8	002·0	001·9	002·2	002·0	002·0	001·6	001·5	997·7
10	001·4	001·4	001·2	000·9	000·5	000·4	000·2	000·0	999·8	999·7	999·4	999·1	998·8	998·2	998·0	997·9	998·0	998·3	998·6	999·0	999·4	000·0	000·4	001·2	999·7
11	001·7	002·2	002·6	002·8	002·7	003·2	003·6	003·8	004·4	004·4	004·7	004·8	004·9	005·0	005·1	005·2	005·3	005·6	005·6	005·5	005·7	005·8	006·0	006·0	004·3
12	005·9	005·7	005·7	005·6	005·7	006·1	006·5	007·0	007·4	007·9	008·4	008·9	009·5	010·1	010·6	011·2	012·1	012·6	013·2	013·5	014·2	014·7	015·0	015·3	009·5
13	016·0	016·5	017·0	017·1	017·8	018·4	018·7	018·9	019·1	019·6	020·1	020·4	020·2	020·0	020·2	020·3	020·2	020·1	020·1	020·2	020·2	020·3	020·2	020·2	**019·1**
14	020·1	020·0	019·7	019·5	019·3	018·8	018·8	018·7	018·9	018·8	018·8	018·6	018·3	017·9	017·7	017·3	017·2	016·9	016·9	016·8	016·5	016·3	016·0	015·6	018·2
15	015·1	014·6	014·0	013·6	013·1	012·5	012·3	011·9	011·6	011·3	011·0	010·6	010·4	009·7	009·1	008·8	008·5	008·3	008·0	007·9	007·9	007·8	007·5	007·4	010·7
16	006·8	006·4	006·1	005·8	005·5	005·4	005·5	005·8	005·7	005·7	005·7	005·8	005·7	005·7	005·5	005·3	005·5	005·7	005·7	005·8	006·1	006·3	006·3	006·7	005·9
17	006·7	006·9	007·0	007·1	007·3	007·6	008·0	008·5	008·8	009·0	009·4	009·5	009·4	009·6	009·2	009·3	009·0	008·9	008·5	007·9	007·5	006·8	006·1	005·6	008·1
18	004·8	003·6	002·8	001·8	000·8	999·6	999·0	998·4	998·0	997·6	997·6	997·1	996·2	995·5	994·9	994·8	994·9	995·2	995·2	995·4	995·8	996·1	996·1	996·1	998·0
19	996·1	996·1	996·3	996·4	996·7	996·7	997·2	997·6	998·2	998·4	998·7	999·0	999·1	999·2	999·4	000·0	000·3	001·0	001·5	001·9	002·4	002·7	003·1	003·4	999·1
20	003·6	003·7	003·7	003·9	004·0	004·2	004·4	004·5	004·8	005·0	005·2	004·9	004·5	004·4	003·9	003·4	003·0	002·4	001·6	001·1	000·1	999·7	998·8	998·1	003·1
21	997·4	996·4	995·4	994·2	993·5	992·3	991·6	991·4	991·0	990·3	990·0	989·3	989·0	988·3	987·7	987·2	987·2	987·4	987·4	987·4	987·5	987·4	987·4	987·4	990·4
22	987·5	987·5	987·2	986·9	986·6	986·7	986·6	986·5	986·5	986·4	986·7	986·7	986·6	986·4	986·4	986·5	986·7	986·9	986·9	986·8	986·8	986·7	986·6	986·7	986·8
23	986·5	986·3	986·3	986·3	986·4	986·6	986·9	987·2	987·5	987·6	988·1	988·5	988·5	988·7	988·9	989·2	989·6	990·1	990·6	990·6	990·9	991·0	991·0	991·0	988·4
24	991·2	991·2	991·0	991·1	991·4	991·7	992·2	992·7	993·2	993·7	994·2	994·6	995·0	995·4	995·8	996·4	996·8	997·4	997·8	998·1	998·5	998·7	998·9	999·0	994·7
25	999·1	999·1	999·1	999·0	999·1	999·5	999·7	999·7	999·6	999·5	999·6	999·3	998·9	998·5	998·0	997·5	997·3	997·0	996·5	995·9	995·2	994·4	993·6	992·5	998·c
26	991·8	991·1	990·3	989·5	989·1	987·8	986·5	986·4	985·3	984·1	983·2	981·5	979·8	978·5	977·1	975·8	974·6	973·7	972·9	971·9	971·3	970·9	970·6	970·6	981·1
27	969·9	969·3	968·9	968·6	968·5	968·5	968·6	968·7	968·8	968·7	969·2	969·6	970·2	970·7	971·1	971·5	971·9	972·2	972·9	973·0	973·6	973·9	974·6	975·4	**970·7**
28	976·1	976·4	976·9	977·3	977·9	978·6	979·4	980·0	980·7	980·9	981·3	981·5	981·7	982·1	982·3	982·8	983·3	983·7	984·2	984·5	985·0	985·4	985·8	986·1	981·2
Mean (Station level)	996 ·66	996 ·54	996 ·40	996 ·28	**996 ·19**	996 ·28	996 ·32	996 ·46	996 ·55	996 ·59	996 ·71	996 ·63	996 ·56	996 ·46	996 ·36	996 ·45	996 ·59	**996 ·76**	**996 ·76**	996 ·74	996 ·74	996 ·67	996 ·52	996 ·52	996 ·54
Mean (Sea level)	999 ·95	999 ·83	999 ·69	999 ·57	**999 ·48**	999 ·57	999 ·61	999 ·75	999 ·84	999 ·88	999 ·99	999 ·91	999 ·84	999 ·74	999 ·64	999 ·73	999 ·88	**1000 ·05**	**1000 ·05**	1000 ·03	1000 ·03	999 ·96	999 ·81	999 ·81	999 ·83

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Note.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

15. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·8 metres. **March, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	986·6	986·9	987·1	987·4	987·0	988·7	989·3	990·0	990·7	991·4	991·9	992·3	992·5	992·7	992·4	992·4	992·4	992·2	991·4	991·2	990·6	989·8	989·0	988·1	990·2
2	987·3	986·5	985·4	984·1	983·3	982·7	982·6	982·3	981·9	981·3	980·9	980·6	980·7	980·8	980·8	980·8	980·6	980·6	980·7	980·7	980·7	980·6	980·6	980·7	**982·1**
3	981·1	981·3	981·6	982·2	982·0	983·0	985·0	986·3	987·5	988·7	989·0	991·0	991·8	992·6	993·5	994·4	995·3	996·5	997·8	998·0	999·2	001·5	002·6	003·9	990·8
4	005·2	006·0	006·8	007·6	008·6	009·8	011·1	011·5	012·5	013·6	014·2	014·9	014·9	014·9	015·2	015·6	015·8	016·3	016·3	016·2	015·9	015·9	015·6	014·6	012·7
5	014·3	013·3	012·4	011·4	010·1	008·8	008·2	007·8	006·6	005·6	004·9	003·2	002·0	001·8	000·4	000·0	000·1	001·0	002·1	002·6	003·7	004·3	004·9	005·3	005·8
6	005·4	005·3	005·3	004·7	004·6	004·0	003·8	002·9	002·7	001·9	000·7	000·0	099·2	998·2	997·4	996·4	996·0	995·9	995·5	995·2	994·8	994·4	993·7	993·5	999·9
7	993·2	992·6	992·5	992·2	992·2	992·4	993·5	994·6	995·7	997·0	998·1	999·3	000·1	001·2	002·1	003·2	004·4	005·7	006·8	007·5	007·9	008·4	009·0	009·7	999·6
8	010·1	010·7	011·2	012·0	012·7	013·3	014·2	015·1	015·9	016·7	017·3	017·9	018·5	018·9	019·5	020·0	020·3	021·0	021·7	022·0	022·1	022·0	022·1	022·1	017·1
9	022·0	021·8	021·6	021·4	021·3	021·5	021·6	021·5	021·6	021·3	021·1	021·1	020·7	020·4	019·9	019·6	019·6	019·5	019·3	019·2	018·8	018·5	018·1	017·7	020·5
10	017·3	016·9	016·3	016·1	015·7	015·2	015·0	014·7	014·4	013·9	013·7	013·4	012·9	012·5	012·2	012·0	011·9	012·0	012·0	012·1	012·6	012·7	012·8	013·2	013·9
11	013·6	013·7	013·9	014·0	014·3	014·7	015·2	015·7	016·1	016·5	016·6	016·7	016·7	017·0	017·2	017·1	017·0	017·6	017·9	018·1	017·9	018·2	017·7	017·8	016·2
12	017·3	016·9	016·6	016·2	016·0	015·5	015·1	015·0	014·9	014·4	013·8	013·0	012·7	011·7	010·7	010·0	009·3	009·2	008·0	006·0	006·9	006·2	006·0	005·5	012·3
13	005·0	004·5	003·6	005·7	006·5	008·1	009·0	011·5	013·4	014·7	015·7	016·8	017·7	018·5	019·3	020·2	021·2	022·4	023·3	024·2	024·9	025·4	025·8	026·2	015·6
14	026·4	026·6	026·8	027·0	027·3	027·6	027·9	028·2	028·7	028·9	029·1	029·1	029·2	029·1	029·1	029·0	029·1	029·5	029·8	029·9	030·1	030·2	030·2	030·6	028·6
15	030·6	030·5	030·3	030·3	030·1	030·1	030·4	030·5	030·5	030·6	030·4	030·2	030·1	029·8	029·3	029·2	029·2	029·4	029·5	029·6	029·6	029·5	029·5	029·4	030·0
16	029·3	029·1	028·7	028·4	028·5	028·8	028·9	029·1	029·4	030·0	030·0	030·0	029·8	029·6	029·4	029·4	029·5	029·8	030·1	030·3	030·6	030·8	030·9	031·1	029·6
17	031·0	030·8	030·6	030·6	030·7	031·0	031·2	031·4	031·7	032·1	032·3	032·3	032·3	032·1	031·9	031·7	031·8	032·0	032·3	032·4	032·4	032·6	033·0	032·9	**031·8**
18	032·9	032·7	032·6	032·4	032·4	032·5	032·5	032·5	032·5	032·5	032·3	032·3	032·1	031·6	031·5	031·3	031·1	031·1	030·9	030·5	030·3	030·5	030·3	030·1	**031·8**
19	030·0	029·6	029·0	028·9	028·6	028·2	028·2	028·2	028·3	028·0	027·9	027·6	027·2	026·7	026·5	026·1	026·1	026·2	026·2	026·1	026·1	026·0	025·9	025·4	027·5
20	025·2	025·0	024·6	024·4	024·2	024·1	024·0	024·2	024·4	024·2	024·2	024·0	023·4	022·8	022·3	021·9	021·8	021·9	021·9	021·9	021·9	021·9	021·8	021·6	023·3
21	021·4	021·0	020·7	020·3	020·1	020·1	020·1	020·1	020·0	020·0	019·7	019·6	019·4	019·1	019·1	018·9	018·9	018·9	019·1	019·3	019·3	019·2	019·1	019·1	019·7
22	019·1	018·9	018·8	018·7	018·5	018·7	018·9	018·9	018·9	018·7	018·2	018·0	017·6	017·4	016·9	016·7	016·5	016·4	016·4	016·4	016·1	015·9	015·5	015·3	017·6
23	014·9	014·7	014·4	014·2	013·9	013·9	013·9	014·0	014·1	014·0	013·9	013·6	013·2	012·9	012·5	012·5	012·5	012·5	012·7	012·4	012·2	011·8	011·7	011·6	013·3
24	011·3	011·1	010·8	010·4	010·2	010·2	010·1	010·0	009·8	009·3	009·3	009·0	009·0	009·1	009·2	009·4	009·9	010·0	010·7	011·1	011·4	011·6	012·0	012·3	010·3
25	012·3	012·5	012·6	012·8	012·8	013·1	013·3	013·5	013·6	013·5	013·2	013·2	013·1	013·0	012·7	012·7	012·9	013·0	013·2	013·5	014·3	014·9	015·6	015·7	013·3
26	016·6	017·5	018·6	019·0	019·7	020·1	020·6	021·0	021·3	021·9	022·0	021·7	021·6	021·3	020·6	020·6	020·7	020·1	020·2	020·1	019·8	019·4	019·0	018·5	020·0
27	017·6	016·9	016·4	015·6	015·1	014·7	014·5	014·6	014·5	014·6	014·5	014·0	013·4	012·8	012·3	012·0	011·8	011·8	011·9	012·1	012·0	011·8	011·6	011·7	013·8
28	011·5	011·5	011·4	011·2	011·4	011·8	012·0	012·4	012·7	013·4	013·7	014·0	014·2	014·6	014·4	014·7	015·1	015·4	015·9	016·2	016·6	016·8	017·4	017·6	013·9
29	018·0	018·2	018·5	018·6	019·2	019·6	020·3	020·5	020·7	021·0	021·4	021·5	021·7	021·8	021·7	021·8	021·9	022·2	022·9	023·2	023·6	023·7	024·1	024·2	021·1
30	023·9	024·1	023·9	023·8	024·0	024·1	024·3	024·4	024·5	024·5	024·5	024·2	024·0	023·6	023·2	022·9	022·5	022·2	022·0	021·9	021·7	021·6	021·0	020·8	023·3
31	020·6	020·1	019·6	019·0	018·9	018·6	018·5	018·5	018·1	017·9	017·8	017·4	017·1	016·5	016·0	015·9	015·7	015·6	015·7	015·8	015·7	015·5	015·4	015·3	017·4
Mean (Station level)	1014 ·55	1014 ·43	1014 ·28	**1014 ·21**	1014 ·25	1014 ·38	1014 ·65	1014 ·87	1015 ·08	1015 ·23	1015 ·26	1015 ·22	1015 ·12	1015 ·00	1014 ·81	1014 ·79	1014 ·87	1015 ·09	1015 ·30	1015 ·40	1051 ·51	1015 ·54	**1015 ·55**	1015 ·53	1014 ·94
Mean (Sea level)	1017 ·90	1017 ·78	1017 ·63	**1017 ·57**	1017 ·61	1017 ·74	1018 ·01	1018 ·22	1018 ·42	1018 ·57	1018 ·59	1018 ·55	1018 ·45	1018 ·32	1018 ·13	1018 ·11	1018 ·20	1018 ·42	1018 ·64	1018 ·74	1018 ·85	1018 ·88	**1018 ·90**	1018 ·88	1018 ·28

16. Aberdeen : H_b = 26·8 metres. **April, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	015·0	014·8	014·3	014·6	014·7	015·1	015·4	015·5	015·7	015·8	016·0	016·2	016·6	016·8	016·9	017·0	017·3	017·8	018·5	019·0	019·5	019·9	020·5	020·8	016·7
2	021·0	021·3	021·5	021·8	022·1	022·5	022·8	023·1	023·3	023·6	023·5	023·5	023·3	023·2	023·0	023·0	022·8	022·6	022·4	022·3	022·1	021·8	021·6	020·9	**022·5**
3	020·5	020·1	019·8	019·5	019·3	019·1	019·0	018·8	018·8	018·4	018·2	017·8	017·4	017·1	016·6	016·1	015·6	015·2	014·9	014·8	014·3	013·7	013·4	012·8	017·3
4	012·0	011·6	011·2	010·4	010·0	009·8	009·7	009·5	009·3	009·2	009·1	009·0	008·8	008·8	008·6	008·0	007·9	008·1	008·3	008·5	008·6	008·7	008·7	008·6	009·4
5	008·6	008·6	008·4	008·3	008·4	008·8	009·1	009·5	009·9	009·9	010·1	010·0	010·1	010·2	010·2	010·2	010·2	010·5	010·7	011·2	011·5	011·8	012·2	012·4	010·0
6	012·3	012·3	012·3	012·0	011·6	011·5	011·6	011·6	011·6	011·6	011·3	011·0	010·5	010·1	009·7	009·4	009·0	009·0	009·0	008·9	008·5	008·3	008·2	007·8	010·5
7	007·6	007·3	007·1	006·9	007·1	007·1	007·5	007·8	007·9	007·9	008·1	008·3	008·5	008·9	009·3	009·7	010·2	010·9	011·7	012·3	012·8	013·3	013·7	014·2	009·3
8	014·6	014·9	015·1	015·5	015·9	016·4	017·0	017·5	017·7	017·9	018·2	018·4	018·6	018·7	018·7	018·6	018·6	018·7	018·9	019·1	019·1	019·1	019·1	019·0	017·6
9	019·0	018·8	018·7	018·5	018·3	018·2	018·2	018·1	018·1	017·9	017·7	017·4	017·1	016·8	016·4	015·9	015·7	015·5	015·4	015·2	014·8	014·4	013·8	013·1	016·9
10	012·6	011·8	011·2	010·5	010·0	008·9	009·0	008·5	008·4	008·0	008·0	008·0	008·0	008·1	008·2	008·4	008·9	008·9	009·5	010·1	010·2	010·2	010·3	010·3	009·5
11	009·8	009·2	008·6	008·1	008·0	007·5	007·5	007·4	007·3	007·0	006·5	006·6	006·4	006·3	005·9	005·7	005·6	005·6	005·5	005·5	005·5	005·5	005·5	004·9	006·8
12	004·6	003·7	003·2	002·6	002·2	001·4	001·0	000·6	000·2	999·1	998·3	997·7	997·3	996·0	995·4	994·9	993·6	993·1	992·8	992·1	991·4	990·5	989·7	988·5	997·4
13	987·5	986·2	985·1	984·0	983·3	982·7	982·5	982·7	983·4	983·8	984·0	984·1	984·3	984·4	984·7	985·0	985·4	986·0	986·8	987·4	987·5	987·4	987·6	987·6	**985·2**
14	987·5	987·4	987·2	987·2	987·2	987·0	987·8	987·1	988·5	988·8	988·9	989·5	989·8	990·0	990·2	990·6	991·3	991·7	992·4	993·2	994·0	994·7	995·2	995·6	990·0
15	995·9	996·2	996·5	996·7	997·1	997·6	998·0	998·7	999·2	999·7	999·9	000·4	001·0	001·2	001·3	001·6	002·3	002·8	003·4	003·8	004·2	005·0	005·4	005·6	000·4
16	006·0	006·4	006·5	006·9	007·3	007·9	008·2	008·9	009·4	010·0	010·5	010·9	011·5	011·6	011·9	012·3	012·7	013·0	013·7	014·3	014·9	015·3	015·6	015·8	010·7
17	016·1	016·3	016·4	016·7	017·0	017·6	018·0	018·5	018·7	019·2	019·5	019·6	019·5	019·3	019·2	019·2	019·1	019·2	019·1	019·0	019·1	019·0	018·7	018·3	018·4
18	018·0	017·6	017·0	016·7	016·5	016·3	016·3	016·2	016·1	015·8	015·6	015·0	014·4	014·1	013·4	013·0	012·5	012·2	012·0	012·0	011·9	011·7	011·4	011·3	014·6
19	011·1	010·5	010·1	009·7	009·5	009·6	009·6	009·6	009·7	009·7	009·6	009·7	009·6	009·5	009·6	009·6	009·8	009·8	010·1	010·5	010·5	010·5	010·6	010·6	010·0
20	010·7	010·8	011·0	010·9	010·8	011·0	011·2	011·2	011·2	011·2	011·2	011·3	011·5	011·3	011·4	011·8	012·0	012·1	012·4	012·5	012·6	012·9	012·9	012·8	011·6
21	012·7	012·6	012·5	012·1	011·8	011·8	011·8	011·8	011·9	011·9	012·2	012·1	012·4	012·6	012·6	012·6	012·9	013·0	013·3	013·7	014·1	014·2	014·4	014·3	012·7
22	013·9	013·4	012·9	012·5	012·2	012·2	012·0	012·0	011·9	011·6	011·4	011·0	010·8	010·2	009·5	009·2	009·0	008·8	008·8	008·5	008·0	007·5	007·2	006·6	010·6
23	005·9	005·3	005·1	004·9	005·1	005·6	006·5	006·9	007·5	008·5	009·0	009·0	009·6	009·6	009·4	009·5	009·9	010·0	010·2	010·9	011·1	011·2	011·3	011·4	008·4
24	011·6	012·1	012·5	012·1	012·3	012·5	012·8	013·2	013·5	013·5	013·6	013·2	012·6	012·2	011·7	011·1	010·8	009·9	008·7	008·0	006·9	005·7	004·6	002·3	010·9
25	000·0	998·0	995·5	992·8	990·1	988·3	986·0	984·7	983·6	983·3	982·7	982·7	982·7	982·7	982·6	982·3	982·0	982·0	982·1	982·2	982·3	982·3	982·2	982·2	986·1
26	981·7	981·3	981·3	981·4	981·4	981·7	982·4	982·6	983·0	983·4	983·6	984·0	984·5	984·8	985·5	986·2	987·9	989·8	991·3	993·2	994·3	995·2	996·1	997·1	986·1
27	997·0	997·0	000·0	000·8	001·7	002·6	003·4	003·5	004·3	004·6	004·9	004·5	004·4	004·3	004·0	003·8	004·0	004·5	004·5	004·9	004·9	004·9	005·1	005·2	003·2
28	005·1	005·0	005·0	005·0	004·9	004·9	004·9	004·6	004·3	003·8	003·3	002·9	002·5	002·1	001·4	000·9	000·6	000·4	000·2	000·7	000·7	000·5	000·5	000·5	002·8
29	000·3	000·2	000·2	000·1	000·1	000·1	000·3	000·3	000·4	000·5	000·4	000·2	000·2	000·4	000·4	000·6	000·5	000·7	001·1	001·1	001·4	001·4	001·2	001·1	000·5
30	000·8	000·7	000·4	000·0	999·7	999·7	999·4	999·4	999·2	999·2	998·9	998·9	998·7	998·5	998·1	997·4	996·7	995·9	995·0	994·5	994·8	995·8	996·7	997·8	998·2
Mean (Station level)	**1007** ·34	1007 ·11	1006 ·80	1006 ·54	1006 ·52	1006 ·53	1006 ·65	1006 ·66	1006 ·80	1006 ·83	1006 ·81	1006 ·76	1006 ·75	1006 ·66	1006 ·53	**1006 ·45**	1006 ·49	1006 ·59	1006 ·76	1006 ·90	1007 ·03	1007 ·08	1007 ·11	1006 ·98	1006 ·80
Mean (Sea level)	1010 ·66	1010 ·43	1010 ·21	1009 ·95	1009 ·84	1009 ·85	1009 ·99	1009 ·97	1010 ·11	1010 ·13	1010 ·11	1010 ·06	1010 ·04	1009 ·95	1009 ·82	**1009 ·75**	1009 ·79	1009 ·89	1010 ·07	1010 ·30	1010 ·30	1010 ·40	1010 ·43	1010 ·30	1010 ·11
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

17. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·8 metres. **May, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	999·0	000·8	001·9	003·2	004·2	005·2	006·3	007·4	008·5	009·5	010·2	010·6	011·1	011·5	011·7	011·8	012·1	012·3	012·6	012·8	012·8	012·8	013·0	013·0	008·6
2	013·3	013·3	013·7	014·1	014·6	015·4	016·1	017·5	018·8	019·8	020·5	021·2	021·5	021·6	021·6	021·7	021·5	021·5	021·5	021·7	021·7	021·4	020·9	020·5	018·8
3	019·6	018·8	018·0	017·2	017·0	016·3	015·7	015·3	014·7	013·5	013·0	012·5	011·9	011·4	011·2	010·5	010·3	009·8	009·7	009·7	009·8	009·7	009·8	009·6	013·4
4	009·2	009·1	008·8	008·5	008·7	008·6	008·6	008·2	008·0	007·5	006·6	006·0	005·2	004·4	004·0	004·3	004·7	005·0	005·4	005·6	005·5	005·6	005·5	005·3	006·7
5	004·9	005·2	005·2	005·0	005·1	005·2	005·5	005·7	005·7	005·8	005·9	005·7	005·8	005·6	005·5	005·1	004·9	004·7	004·4	004·3	004·0	003·3	003·0	002·8	005·0
6	002·8	002·5	002·4	002·3	002·7	003·0	003·5	004·0	004·3	004·5	005·0	004·9	005·0	005·0	005·2	005·8	005·6	006·4	007·4	008·6	009·5	010·1	010·5	011·0	005·3
7	011·4	011·9	012·4	012·8	013·2	013·5	013·6	013·8	013·8	013·7	013·5	012·8	012·5	012·6	012·5	012·3	012·1	012·1	011·9	011·6	011·4	011·4	011·5	011·2	012·5
8	010·9	010·4	010·2	010·1	010·3	010·4	010·4	010·3	010·1	009·9	009·9	009·4	009·2	009·5	009·7	010·0	009·9	009·7	009·6	009·7	009·7	009·4	009·1	008·7	009·9
9	008·1	007·5	006·8	006·0	005·5	005·0	004·6	004·0	003·7	003·4	003·4	003·4	003·6	004·2	004·4	005·3	005·9	006·5	007·0	007·6	007·8	008·0	007·9	008·1	005·7
10	008·2	007·8	007·6	007·2	006·8	006·5	006·0	005·3	004·4	003·0	001·5	999·8	997·9	996·4	993·3	990·5	989·1	986·4	985·7	984·6	984·2	983·8	983·5	983·3	997·3
11	983·3	982·9	982·9	983·3	983·6	983·9	984·1	984·7	985·6	986·0	986·4	987·1	987·6	987·8	987·8	987·9	987·9	987·9	988·4	988·5	988·5	988·4	988·5	988·5	**986·2**
12	988·4	987·8	987·7	987·8	987·8	987·9	987·9	987·8	987·7	987·5	987·4	987·6	987·8	987·9	987·9	988·2	988·1	988·2	988·5	988·8	988·9	988·9	989·0	988·9	988·1
13	988·8	988·6	988·5	988·4	988·6	988·4	988·4	988·5	988·6	988·9	989·3	989·5	990·0	990·1	990·3	990·4	990·7	991·2	991·6	992·0	992·4	992·7	993·0	993·2	990·0
14	993·2	993·4	993·8	993·8	993·7	993·7	994·2	994·3	994·6	994·8	994·7	994·7	994·6	994·7	994·7	994·7	994·7	994·9	995·3	995·7	995·8	995·9	996·1	996·3	994·6
15	996·3	996·2	996·0	995·8	995·9	996·0	996·0	996·0	996·1	996·2	996·2	995·9	995·8	995·7	995·8	995·7	995·5	995·7	995·5	995·7	995·7	995·6	995·3	994·9	995·8
16	994·7	994·4	994·3	994·1	994·2	994·3	994·4	994·3	994·7	995·3	995·9	996·1	996·3	996·6	996·6	997·1	997·2	997·7	998·0	999·0	999·2	999·5	999·7	999·7	996·3
17	999·6	999·9	999·7	999·1	998·6	998·4	998·0	998·4	999·2	000·3	001·0	001·8	002·6	003·3	004·1	004·8	005·5	005·6	006·9	008·2	009·1	009·8	010·3	010·5	002·9
18	011·1	011·3	011·4	011·8	012·2	012·5	012·8	013·1	013·2	013·1	013·2	013·2	013·3	012·9	012·6	012·2	011·5	011·1	010·7	010·2	009·8	008·9	008·1	007·3	011·6
19	006·4	005·5	004·6	004·0	003·5	003·4	003·4	003·0	002·6	002·2	002·2	002·0	001·9	001·7	001·7	001·5	001·4	001·3	001·1	001·2	001·3	001·1	000·9	000·5	002·6
20	000·0	999·7	999·4	999·2	999·0	998·8	998·6	998·3	997·8	997·2	996·7	995·9	995·4	994·7	993·8	992·9	992·1	991·8	991·8	992·0	992·4	992·3	992·3	992·5	995·8
21	993·0	993·2	994·3	994·7	995·3	996·2	997·0	997·7	998·3	999·1	999·7	000·4	000·7	001·0	001·5	002·2	002·7	003·3	004·4	004·9	005·7	006·4	006·8	007·2	999·9
22	007·7	007·8	008·2	008·7	009·3	009·7	010·2	010·7	011·3	011·7	012·1	012·3	012·7	012·9	013·2	013·2	013·3	013·6	013·8	013·5	013·5	013·5	013·4	013·3	011·5
23	013·1	012·9	012·7	012·5	012·5	012·4	012·7	013·0	013·3	013·6	013·7	013·7	013·8	014·0	014·4	014·7	014·9	015·2	015·8	016·4	016·7	016·7	016·8	016·9	014·2
24	016·7	016·6	016·5	016·3	015·7	015·5	015·0	014·6	013·8	012·9	012·0	011·3	010·6	009·2	008·1	006·8	005·6	004·3	003·3	002·6	002·7	002·4	002·2	002·0	010·2
25	001·6	001·4	001·3	001·3	001·4	001·5	001·9	002·2	002·5	002·6	002·9	003·2	003·1	003·8	003·6	003·8	004·1	004·6	004·9	005·0	004·9	004·8	005·0	005·3	003·1
26	005·1	005·1	005·8	006·1	006·6	006·8	007·1	008·2	008·6	009·3	009·7	010·0	010·3	010·9	011·5	011·7	012·1	012·8	013·4	013·7	014·2	014·4	014·7	015·0	009·9
27	015·3	015·7	016·0	016·5	017·1	017·7	018·2	018·9	019·5	020·2	020·6	020·7	021·2	021·4	021·4	021·4	021·5	021·8	021·9	021·8	021·4	021·5	021·5	021·3	019·6
28	021·2	021·2	021·1	021·1	021·3	021·5	022·1	022·3	022·8	023·0	023·3	024·0	024·0	024·1	023·9	023·9	024·4	025·1	025·7	026·1	026·0	026·7	026·6	026·4	023·6
29	026·1	026·0	025·8	025·8	025·7	025·8	025·9	026·2	026·0	025·7	025·2	025·3	025·1	024·9	024·3	023·8	023·7	023·4	023·5	023·3	023·3	023·4	023·1	023·0	**024·8**
30	022·6	022·0	021·7	021·3	021·5	021·6	021·5	021·4	021·0	021·0	020·8	021·0	021·1	021·3	021·4	021·3	021·5	021·7	021·6	022·2	022·8	023·0	022·8	023·0	021·7
31	023·0	022·9	022·8	022·8	022·7	022·9	023·2	023·4	023·6	023·6	023·8	023·9	023·8	023·7	023·4	023·3	023·1	023·0	022·8	022·8	022·9	022·9	022·9	022·9	023·2
Mean (Station level)	1006 ·28	1006 ·10	1006 ·18	**1006 ·15**	1006 ·27	1006 ·39	1006 ·55	1006 ·73	1006 ·86	1006 ·93	1006 ·98	1006 ·96	1006 ·95	1006 ·93	1006 ·82	1006 ·74	1006 ·70	1006 ·73	1006 ·93	1007 ·01	1007 ·23	**1007 ·24**	1007 ·22	1007 ·11	1006 ·74
Mean (Sea level)	1009 ·59	1009 ·50	1009 ·49	**1009 ·46**	1009 ·58	1009 ·69	1009 ·84	1010 ·02	1010 ·15	1010 ·21	1010 ·26	1010 ·23	1010 ·22	1010 ·20	1010 ·09	1010 ·02	1009 ·98	1010 ·01	1010 ·21	1010 ·38	1010 ·53	**1010 ·54**	1010 ·52	1010 ·47	1010 ·03

18. Aberdeen : H_b = 26·8 metres. **June, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	022·9	022·7	022·3	022·3	022·3	022·0	022·1	022·1	022·1	022·2	022·0	022·0	022·1	022·1	022·5	022·7	022·9	023·6	024·1	024·5	025·0	025·3	025·4	025·5	023·0
2	025·7	025·7	025·8	025·6	025·7	025·7	025·8	025·9	025·5	025·4	025·0	024·2	023·4	022·7	021·9	021·6	021·3	021·7	021·5	021·0	021·2	021·3	021·0	020·5	**023·7**
3	020·2	019·6	019·3	018·8	018·5	017·9	017·5	017·1	016·7	015·8	015·2	014·6	013·7	012·8	012·7	012·4	011·8	011·8	012·0	012·4	012·5	013·0	013·0	013·1	015·2
4	013·3	013·4	013·6	013·7	013·9	014·1	014·3	014·6	014·4	014·3	014·2	014·2	013·9	013·5	013·1	012·8	012·3	012·5	012·4	012·4	012·6	012·7	012·5	012·4	013·4
5	012·1	011·9	011·4	011·1	010·9	010·6	010·4	010·0	009·8	009·4	009·1	008·7	008·1	007·5	006·6	005·8	005·3	004·9	004·7	006·1	007·4	008·0	008·6	009·1	008·7
6	009·5	009·7	010·0	010·2	010·5	010·6	010·8	011·3	011·5	012·1	012·4	012·6	012·8	012·9	013·1	013·3	013·9	014·2	014·4	014·7	015·0	015·0	015·1	015·2	012·4
7	015·0	014·8	014·5	014·7	014·7	014·7	014·7	014·7	014·7	014·2	013·6	013·4	012·9	012·4	011·8	011·2	010·8	010·6	010·1	010·0	009·3	009·0	008·2	007·2	012·5
8	006·5	004·6	004·3	002·9	002·4	001·5	000·6	999·8	998·9	998·6	998·6	997·4	997·1	996·7	995·7	995·6	995·3	995·5	996·0	996·1	996·4	996·5	995·9	995·2	998·9
9	994·8	994·0	994·1	994·1	994·2	994·6	995·1	995·9	996·5	997·3	997·6	998·3	998·7	999·2	999·6	000·0	000·4	000·6	000·6	000·6	000·5	000·0	999·0	998·5	997·6
10	997·8	996·7	996·2	996·0	996·6	996·9	996·6	995·6	995·6	994·0	994·0	994·0	993·9	994·1	994·9	995·6	996·6	997·4	999·0	000·4	001·3	002·5	003·5	004·0	**997·1**
11	004·7	005·0	005·5	006·3	007·9	009·8	011·6	012·9	014·4	015·1	016·4	016·9	017·9	018·9	019·4	020·4	020·9	021·4	021·8	022·3	022·8	023·1	023·3	023·2	015·5
12	023·2	022·8	022·5	021·7	021·0	020·4	019·2	018·5	017·5	015·8	013·9	012·2	010·4	009·2	009·1	008·5	008·6	008·7	008·9	009·1	008·7	007·9	006·5	004·7	014·1
13	003·8	003·6	003·5	003·1	002·5	002·5	002·4	002·8	002·6	002·1	002·9	003·7	004·1	004·8	005·0	005·1	005·8	007·2	008·0	008·7	009·5	010·5	011·1	011·7	005·1
14	012·2	012·7	013·3	013·9	014·8	015·3	016·2	017·2	017·8	018·4	018·7	019·0	018·9	019·0	019·0	018·8	018·5	018·4	018·4	018·2	018·2	018·2	017·8	017·0	017·0
15	016·5	016·0	015·5	014·9	014·6	014·0	013·6	012·9	012·2	011·7	011·1	010·4	010·2	009·6	009·3	009·0	008·8	008·9	009·0	009·3	010·0	010·5	011·1	011·4	011·8
16	012·1	012·4	012·7	012·9	013·2	013·6	014·0	014·1	014·3	014·9	014·9	015·0	015·1	015·2	015·3	015·3	015·5	015·8	015·9	016·1	016·3	016·6	016·9	017·2	014·7
17	017·4	017·7	017·9	018·0	018·3	018·6	018·9	018·9	019·0	019·2	019·3	019·0	018·6	018·8	018·6	018·0	017·5	017·2	016·9	016·5	016·5	015·8	014·8	014·5	017·8
18	013·9	013·4	013·2	013·2	013·0	012·9	012·8	013·1	012·8	012·6	012·5	012·3	012·1	011·8	011·2	010·9	010·6	010·7	011·4	012·0	012·6	012·8	012·7	012·9	012·4
19	012·9	012·9	012·8	013·0	012·9	012·7	013·0	013·1	013·0	012·9	012·8	012·7	013·0	012·8	012·8	012·8	012·8	012·9	013·2	013·8	014·6	015·5	016·2	016·5	013·3
20	016·7	016·6	016·6	016·9	017·3	017·7	018·2	018·5	018·8	019·6	019·7	019·6	019·4	019·3	019·3	019·1	018·8	018·6	018·3	018·0	017·2	016·6	015·9	015·6	018·0
21	014·8	014·2	013·1	012·8	012·5	012·4	012·4	012·5	012·5	012·4	012·1	011·7	011·9	011·3	011·3	011·0	011·2	011·4	011·4	011·2	011·1	010·9	010·7	010·3	012·1
22	010·0	009·9	009·5	009·5	009·5	009·8	010·3	010·2	010·0	009·9	009·7	009·8	010·0	010·3	010·8	011·1	011·6	011·8	012·2	012·2	012·7	013·0	013·0	012·8	010·8
23	012·7	012·3	012·1	012·1	012·0	012·0	012·1	012·0	012·3	012·3	011·7	012·6	012·9	012·8	013·0	012·9	012·8	013·8	013·7	013·6	013·7	013·6	013·3	012·9	012·7
24	012·5	012·1	012·1	012·4	012·5	013·5	014·4	014·3	014·8	014·6	015·0	015·1	015·2	015·5	015·9	016·1	016·3	016·4	016·4	016·5	016·9	017·0	017·0	017·0	014·9
25	016·8	016·7	016·7	016·7	016·7	016·8	016·8	017·0	017·0	017·2	017·1	017·0	016·7	016·4	016·3	016·2	015·9	015·7	015·5	015·7	015·7	015·5	015·5	015·5	016·4
26	015·4	015·4	015·3	015·3	015·6	015·7	015·7	015·8	015·9	016·0	016·3	016·2	016·6	016·7	016·9	016·8	016·9	017·0	017·1	017·4	017·6	017·7	017·5	017·4	016·4
27	017·0	016·6	016·8	016·7	016·5	016·4	016·7	016·9	016·8	016·8	017·0	017·3	017·5	017·9	017·8	017·9	017·9	018·2	018·5	018·5	019·1	019·3	019·5	019·3	017·6
28	019·2	019·1	018·8	018·5	018·2	018·3	017·9	018·1	018·3	018·0	017·8	017·8	017·8	018·0	018·0	018·2	018·2	018·4	018·9	019·1	019·2	019·1	019·5	019·4	018·5
29	019·4	019·5	019·4	019·4	019·6	019·5	019·8	019·9	019·9	019·9	019·6	019·6	019·1	018·5	018·3	018·1	017·8	017·5	017·3	017·3	016·6	016·6	016·2	015·2	018·6
30	014·5	014·0	013·3	012·9	012·6	012·7	012·5	012·7	012·6	012·6	012·7	012·5	012·2	011·9	011·9	012·0	011·9	011·8	012·3	012·4	012·9	013·0	013·0	013·3	012·7
Mean (Station level)	1013 ·45	1013 ·20	1013 ·07	1012 ·99	1013 ·03	1013 ·11	1013 ·21	1013 ·28	1013 ·27	1013 ·18	1013 ·10	1012 ·99	1012 ·87	1012 ·75	1012 ·70	1012 ·64	**1012 ·63**	1012 ·82	1012 ·99	1013 ·19	1013 ·43	**1013 ·53**	1013 ·46	1013 ·28	1013 ·10
Mean (Sea level)	1016 ·74	1016 ·49	1016 ·36	1016 ·28	1016 ·32	1016 ·39	1016 ·49	1016 ·55	1016 ·54	1016 ·44	1016 ·36	1016 ·24	1016 ·12	1016 ·00	1015 ·95	1015 ·89	**1015 ·88**	1016 ·08	1016 ·26	1016 ·46	1016 ·71	**1016 ·81**	1016 ·75	1016 ·57	1016 ·37
G.M.T. ..	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

19. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·8 metres. **July, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	013·3	013·3	013·1	013·1	013·3	013·5	013·8	014·0	014·1	014·4	014·3	014·1	014·3	014·2	014·2	014·2	014·0	013·9	013·7	013·5	013·5	013·3	012·9	012·5	013·7
2	011·9	011·1	010·7	010·2	009·7	009·2	008·6	008·3	008·0	007·4	006·7	006·4	005·9	005·6	005·6	004·9	004·5	004·0	003·6	003·2	003·1	002·8	001·8	001·9	006·7
3	001·4	001·0	000·8	000·5	000·5	000·2	999·8	000·2	000·0	000·3	000·5	000·3	000·3	000·5	000·7	001·0	001·6	002·3	003·2	004·1	004·7	005·2	005·7	006·3	001·6
4	006·7	007·1	007·5	007·9	008·3	008·6	009·1	009·4	009·4	009·6	009·5	009·5	009·7	009·7	009·7	009·6	009·7	010·1	010·3	010·6	011·2	011·9	012·5	013·0	009·5
5	013·3	013·4	013·8	014·2	014·7	015·0	015·4	015·7	016·1	016·3	016·6	016·8	017·3	017·8	017·9	017·8	017·8	018·2	018·4	019·0	019·4	019·5	019·7	019·9	016·7
6	020·0	020·0	020·0	020·0	020·2	020·5	020·5	020·9	021·1	021·1	021·1	021·0	020·8	020·8	020·8	020·7	020·6	020·6	020·6	020·7	020·7	020·8	020·4	020·2	020·6
7	019·7	019·5	018·9	018·5	017·9	017·8	017·6	017·5	017·3	016·7	016·5	016·1	015·6	015·0	014·9	014·0	014·2	013·3	013·3	013·5	013·1	012·5	012·9	013·2	016·0
8	012·9	012·5	012·0	012·0	011·7	011·7	011·7	012·2	012·0	011·6	011·7	011·8	011·3	011·0	011·0	010·3	010·1	011·5	011·6	012·0	013·4	014·2	014·7	014·9	012·1
9	015·1	015·3	015·2	015·2	015·5	015·9	016·5	016·6	017·2	017·3	017·3	017·3	017·4	017·6	017·7	017·6	017·7	017·7	018·0	018·0	018·6	018·9	019·1	019·1	017·1
10	018·8	018·7	018·7	019·1	019·3	019·5	019·6	019·8	020·0	019·8	020·6	020·1	020·2	018·5	018·5	018·2	018·0	018·3	018·6	018·7	018·5	018·4	018·7	018·5	019·1
11	018·2	018·1	018·2	018·0	018·3	018·1	018·0	018·5	019·7	018·3	017·9	017·8	018·4	018·4	018·6	018·6	018·4	018·4	018·4	018·6	018·8	018·8	018·8	018·8	018·4
12	018·7	018·4	018·5	018·4	018·5	018·4	018·3	018·2	018·2	018·3	018·1	017·9	017·9	017·8	017·7	018·3	018·8	019·4	019·6	019·9	020·7	021·3	021·7	022·0	018·9
13	021·7	021·6	021·7	021·7	022·0	022·3	022·7	022·9	023·1	023·1	023·0	022·9	022·8	022·7	022·7	022·8	022·9	023·2	023·3	023·3	023·3	023·6	023·5	023·0	**022·7**
14	023·0	022·7	022·4	022·2	022·0	021·9	022·0	021·6	021·2	020·7	020·1	019·7	019·3	019·2	018·6	017·9	017·5	016·5	016·0	015·3	014·9	014·5	013·8	013·0	019·2
15	012·3	011·4	010·3	009·5	009·0	008·7	007·9	007·3	006·8	006·3	005·7	005·1	004·5	004·1	003·4	002·3	001·6	001·0	000·8	000·4	000·6	000·5	000·2	999·8	005·3
16	999·2	999·1	998·8	998·6	998·5	998·6	998·8	999·0	999·3	999·5	999·7	999·7	999·9	000·0	000·0	000·0	999·9	999·6	999·7	999·8	000·2	000·3	000·1	000·5	999·5
17	000·7	000·6	000·5	000·3	000·1	999·8	999·9	999·9	999·2	998·8	998·6	998·3	998·2	998·3	998·3	998·3	998·4	998·8	999·3	999·7	000·3	000·8	000·9	001·2	999·5
18	001·6	001·7	001·9	002·2	002·5	003·0	003·5	004·2	004·7	005·2	005·6	005·8	006·0	006·4	007·1	007·5	007·8	008·2	008·6	009·1	009·6	009·8	009·6	009·4	005·7
19	009·5	009·2	009·1	008·4	008·1	008·0	007·6	007·1	006·6	005·8	004·9	004·7	004·5	004·0	003·4	002·8	002·8	002·8	002·9	003·2	003·7	003·8	003·8	003·7	005·6
20	003·6	003·7	003·8	004·0	004·9	005·6	006·5	007·7	008·4	009·0	009·4	009·7	010·2	010·4	010·5	010·7	010·6	010·5	010·2	010·2	010·1	010·0	010·1	010·1	008·2
21	010·3	010·2	010·3	010·9	011·3	011·9	012·3	012·6	012·7	012·9	012·9	012·9	013·2	013·3	013·4	013·6	013·9	013·9	013·9	014·0	013·9	013·9	013·8	013·6	012·7
22	013·1	012·4	011·8	011·7	011·1	010·9	010·9	010·6	010·6	010·7	010·6	010·2	009·7	009·5	008·7	008·4	007·8	007·2	006·8	006·0	005·6	005·1	004·3	003·3	009·3
23	002·5	001·3	000·3	999·9	999·9	000·0	000·2	000·0	999·9	000·0	999·9	999·9	999·9	000·0	000·0	000·0	000·5	000·9	001·3	001·6	002·0	002·6	003·2	003·4	000·8
24	003·7	003·6	003·8	004·1	004·4	004·6	005·2	005·5	005·7	005·8	005·8	005·9	005·7	005·3	005·1	004·5	004·0	004·0	003·9	003·6	003·2	002·7	002·2	001·8	004·4
25	001·3	000·5	000·2	000·0	999·5	999·4	999·0	998·7	997·9	997·5	996·5	996·1	996·0	995·8	995·6	995·5	995·5	995·6	995·8	995·8	996·2	995·8	995·5	995·1	997·4
26	994·9	994·6	994·3	994·0	994·1	994·3	994·6	994·8	995·3	995·8	995·9	996·3	996·8	996·9	997·7	998·4	999·3	999·9	000·6	001·6	002·2	003·7	004·0	004·7	997·5
27	005·8	006·5	006·9	007·8	008·0	008·7	009·1	009·6	009·6	010·1	010·3	010·2	010·2	010·1	010·0	009·7	009·3	008·9	008·8	008·6	008·4	007·8	007·2	006·8	008·6
28	006·1	005·3	004·7	003·8	003·2	003·1	003·0	003·0	002·6	002·7	002·6	002·6	002·5	002·2	002·2	002·0	002·0	002·1	002·3	002·4	002·5	002·5	002·5	002·3	003·0
29	002·0	002·0	001·9	001·7	001·7	001·6	001·5	001·6	001·6	001·7	001·4	001·2	001·0	000·7	000·4	000·1	999·5	998·8	998·2	997·6	996·9	996·5	996·1	995·8	000·2
30	995·2	994·6	994·3	994·1	994·0	994·0	994·1	994·2	994·3	994·5	994·5	994·3	993·8	993·9	993·8	993·3	993·4	993·0	992·7	992·3	991·7	991·4	991·1	990·4	993·6
31	990·0	989·6	989·3	988·8	988·6	988·6	988·7	988·7	988·7	988·9	988·9	988·9	988·7	988·5	988·5	988·6	988·4	988·3	988·4	988·7	988·9	989·1	989·2	989·5	**988·9**
Mean (Station level)	**1008** ·60	1008 ·35	1008 ·18	1008 ·09	1008 ·09	1008 ·17	1008 ·27	1008 ·41	1008 ·43	1008 ·39	1008 ·29	1008 ·18	1008 ·13	1008 ·01	1007 ·96	1007 ·79	**1007** ·76	1007 ·77	1007 ·84	1007 ·93	1008 ·06	1008 ·13	1008 ·06	1007 ·99	1008 ·14
Mean (Sea level)	**1011** ·84	1011 ·59	1011 ·43	1011 ·34	1011 ·33	1011 ·41	1011 ·50	1011 ·63	1011 ·65	1011 ·60	1011 ·50	1011 ·38	1011 ·33	1011 ·22	1011 ·17	1011 ·00	**1010** ·97	1010 ·98	1011 ·06	1011 ·15	1011 ·29	1011 ·36	1011 ·30	1011 ·23	1011 ·36

20. Aberdeen : H_b = 26·8 metres. **August, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	989·7	990·1	990·5	990·9	991·7	992·2	992·9	993·7	994·5	995·4	996·1	996·4	997·2	998·0	998·3	998·7	998·7	999·5	999·8	000·5	000·9	001·9	002·3	002·6	996·1
2	003·2	003·5	003·8	003·8	004·3	004·1	004·6	004·5	004·4	004·2	003·9	003·2	002·2	001·2	000·1	999·0	997·6	995·3	993·2	991·8	990·5	989·0	987·0	985·2	999·5
3	983·8	982·3	981·9	982·6	984·4	986·2	987·8	989·1	990·5	992·5	993·9	995·2	997·0	998·8	000·5	002·0	003·7	005·4	006·1	007·6	008·5	009·2	009·9	010·8	995·7
4	011·4	012·2	013·3	013·7	014·8	015·7	016·0	016·2	017·4	017·1	017·9	018·3	018·7	018·6	018·4	018·7	019·2	019·3	019·6	019·7	019·8	019·9	019·7	019·4	017·1
5	019·2	018·7	018·3	017·7	017·4	017·2	016·8	016·3	016·1	015·9	015·6	014·9	014·3	014·0	013·5	013·1	012·8	012·7	012·3	012·2	011·8	011·5	011·1	010·8	014·9
6	010·4	010·4	010·2	010·1	010·3	010·3	010·1	010·0	010·1	009·9	009·8	009·2	009·5	009·3	009·5	009·3	009·0	008·9	008·8	008·9	009·1	009·2	009·0	008·8	009·6
7	008·6	008·1	007·7	007·2	006·8	006·2	005·8	005·1	004·6	004·2	004·0	003·9	004·0	004·1	004·2	004·4	005·1	005·2	006·0	006·6	007·3	008·0	008·8	009·0	006·0
8	009·9	010·0	010·6	010·9	011·4	011·4	012·3	012·4	012·5	012·8	012·9	012·7	012·7	012·6	011·9	011·9	011·2	011·0	010·6	010·3	009·8	008·7	008·4	008·2	011·1
9	007·5	007·4	007·1	007·0	006·9	006·6	006·9	006·8	006·9	007·0	007·2	007·5	007·9	008·3	008·4	008·4	008·4	008·6	009·2	009·9	010·5	010·9	011·3	011·4	008·2
10	011·2	011·4	011·3	011·4	011·6	011·9	012·4	012·9	013·1	013·6	013·4	013·6	014·0	013·9	013·8	013·9	014·2	014·6	014·8	015·5	015·8	015·8	016·2	016·4	013·5
11	016·3	016·4	016·6	016·8	016·6	017·4	018·1	018·2	018·4	019·0	019·3	019·6	020·0	020·2	020·4	020·7	020·9	021·2	021·4	021·4	021·4	021·8	022·1	022·1	**019·3**
12	021·6	021·4	021·4	021·3	021·0	020·8	020·8	020·5	019·9	019·8	019·7	018·9	018·3	018·0	017·4	016·9	016·7	016·2	015·8	015·3	015·2	014·7	014·0	013·8	018·5
13	013·0	012·1	011·5	010·6	010·0	009·5	009·3	008·7	009·2	008·7	008·1	008·3	008·1	008·3	008·6	008·9	009·8	010·5	011·6	012·2	013·2	013·4	013·9	014·6	010·5
14	014·5	015·0	014·9	015·3	015·5	015·6	015·7	016·2	016·3	016·3	016·2	016·0	016·0	016·1	015·7	015·4	015·1	015·3	015·4	015·3	015·3	015·3	015·2	015·1	015·5
15	014·9	014·8	014·6	014·1	014·1	013·9	013·8	013·6	013·2	012·8	012·4	012·0	011·6	011·3	011·1	010·8	011·1	010·9	011·0	011·2	011·2	011·3	011·3	011·4	012·5
16	011·4	011·4	011·6	011·8	012·1	012·3	012·3	012·2	012·2	012·1	011·9	011·7	011·9	011·5	011·0	010·7	010·5	010·5	010·0	009·5	008·9	008·1	007·2	006·3	010·9
17	005·3	004·0	002·6	001·1	999·7	998·1	996·6	995·6	995·0	994·3	993·8	993·3	992·9	992·4	992·3	992·4	992·1	992·0	992·0	992·1	992·1	992·1	991·9	991·8	995·5
18	991·9	991·9	991·8	991·9	992·1	992·2	992·5	993·0	993·9	995·1	996·1	997·0	998·3	999·1	999·9	000·6	001·2	001·9	002·4	003·1	003·9	004·4	004·8	005·2	997·4
19	005·4	005·4	005·6	005·9	006·0	006·7	006·9	007·4	007·5	007·7	008·0	007·9	008·0	008·1	008·0	008·0	007·9	007·6	007·5	007·7	007·3	007·3	007·1	006·7	007·1
20	006·2	005·8	005·3	005·1	004·8	004·9	004·9	004·9	005·0	004·8	004·9	004·8	004·6	004·2	004·1	003·7	003·1	002·8	002·7	002·3	001·5	000·7	999·8	998·0	003·9
21	996·2	994·7	992·6	991·4	989·9	988·4	986·5	985·4	983·7	982·4	981·1	980·1	979·5	978·4	979·4	980·4	981·5	982·1	982·4	983·5	983·4	984·7	985·2	985·5	**985·2**
22	986·1	985·8	985·4	985·6	985·9	986·1	986·2	986·4	986·9	987·3	987·6	987·9	988·3	988·8	989·5	990·0	990·5	991·2	991·9	992·8	993·4	993·6	994·3	994·5	988·8
23	994·8	995·1	995·9	996·3	996·9	997·3	997·5	998·2	999·0	998·7	999·0	999·5	999·1	998·7	998·7	998·6	998·4	997·9	997·5	997·2	996·3	994·9	993·5	992·4	997·2
24	992·0	991·5	991·1	990·8	991·2	991·1	991·6	991·9	992·2	992·9	993·9	995·4	996·8	998·1	999·5	000·4	000·9	001·7	003·2	004·2	005·3	006·0	006·3	006·0	997·0
25	007·4	007·6	007·8	007·7	008·3	008·3	008·6	008·6	008·6	008·3	007·6	006·9	006·1	005·3	004·2	003·2	001·9	000·9	999·6	998·5	997·5	996·4	995·0	994·0	004·3
26	993·1	992·8	992·6	992·4	992·3	992·1	992·2	991·9	991·7	991·5	991·2	990·9	990·7	990·2	989·9	989·7	989·6	989·4	989·4	989·5	989·2	988·9	988·8	988·8	990·9
27	988·8	988·4	988·0	987·9	987·6	987·5	987·7	987·7	987·9	988·0	987·8	987·6	987·5	987·6	987·6	987·6	987·5	987·6	987·7	987·8	988·0	988·1	988·2	988·2	987·9
28	988·4	988·4	988·8	988·9	989·1	989·7	990·2	990·7	991·4	992·1	992·8	993·5	994·4	995·2	996·0	996·6	997·4	998·2	998·8	999·8	000·5	001·1	001·6	001·7	994·1
29	001·9	002·2	002·4	002·9	003·0	003·0	002·9	003·1	003·1	002·7	002·4	001·8	001·3	000·7	999·9	999·1	998·5	997·7	997·2	996·8	996·1	995·1	994·6	993·8	000·3
30	993·0	992·6	992·5	992·6	992·9	993·4	994·0	994·7	995·4	995·7	996·3	997·1	997·9	998·6	999·4	999·8	000·1	000·5	000·9	001·3	001·6	001·7	001·7	001·8	997·1
31	001·9	001·9	002·0	002·0	002·1	002·4	002·7	003·2	003·4	003·7	003·8	003·8	003·9	004·0	004·2	004·4	004·6	004·7	004·8	005·1	005·2	005·3	005·5	005·6	003·7
Mean (Station level)	1003 ·19	1003 ·01	1002 ·89	**1002** ·83	1002 ·93	1002 ·98	1003 ·12	1003 ·20	1003 ·35	1003 ·44	1003 ·50	1003 ·51	1003 ·64	1003 ·66	1003 ·72	1003 ·78	1003 ·85	1003 ·91	1003 ·99	1004 ·18	**1004** ·21	1004 ·17	1004 ·05	1003 ·87	1003 ·53
Mean (Sea level)	1006 ·43	1006 ·25	1006 ·13	**1006** ·07	1006 ·17	1006 ·21	1006 ·35	1006 ·42	1006 ·56	1006 ·65	1006 ·71	1006 ·71	1006 ·84	1006 ·86	1006 ·92	1006 ·98	1007 ·06	1007 ·12	1007 ·21	1007 ·41	**1007** ·44	1007 ·40	1007 ·29	1007 ·11	1006 ·75
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.— When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

21. Aberdeen : H_b (Height of barometer cistern above M.S.L.) = 26·8 metres. **September, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	005·8	005·8	005·8	005·8	006·1	006·5	007·0	007·1	007·2	007·5	007·6	007·6	007·7	008·1	008·4	008·7	009·0	009·3	009·8	010·5	011·0	011·6	012·0	012·5	008·1
2	012·9	013·4	013·8	014·4	015·0	015·7	016·8	017·6	018·3	018·6	019·0	019·6	020·1	020·5	020·9	021·1	021·6	022·0	022·7	023·2	023·3	023·4	023·6	023·7	019·0
3	023·5	023·3	023·0	022·6	022·5	022·4	021·9	021·1	020·5	019·9	019·2	018·8	018·1	017·7	017·4	016·7	016·2	015·6	015·2	014·9	014·5	013·9	013·3	012·5	018·8
4	011·7	010·8	010·4	010·1	009·9	010·6	011·5	011·8	012·3	012·9	013·4	013·9	014·0	014·2	014·5	014·5	014·8	014·9	015·2	015·2	015·1	014·8	014·4	013·9	013·1
5	013·4	012·8	011·9	011·0	010·3	009·9	009·8	009·6	009·8	010·2	010·2	010·4	010·7	011·0	011·5	012·0	012·1	012·8	013·6	013·7	013·8	014·2	014·7	015·0	011·8
6	015·3	015·7	016·0	016·3	016·5	016·4	016·2	016·7	016·5	015·9	015·8	014·9	014·1	013·8	012·9	012·7	011·9	011·6	010·6	010·3	009·2	009·1	009·1	009·0	013·7
7	009·3	009·4	010·7	011·4	011·9	012·5	013·0	013·7	014·7	015·0	015·3	016·1	016·4	017·1	017·7	018·1	018·8	019·2	020·0	020·6	021·1	021·5	021·7	022·0	015·9
8	022·1	022·3	022·0	021·8	021·5	021·1	021·0	021·0	020·6	020·0	018·9	018·1	017·5	016·6	015·4	014·4	013·4	013·1	013·0	012·7	012·1	012·0	011·6	010·9	017·4
9	010·7	009·7	008·9	008·3	007·9	007·0	006·4	005·4	005·6	004·4	004·4	004·2	005·2	005·3	005·4	005·8	006·7	007·7	008·6	009·6	009·9	010·3	010·1	010·2	007·4
10	010·3	010·0	009·9	009·9	009·9	010·0	010·3	010·9	011·4	011·4	011·5	011·4	011·1	011·3	011·8	011·7	011·8	011·9	011·9	011·8	011·5	011·3	010·8	010·2	011·0
11	009·3	008·2	007·4	006·5	005·7	004·8	004·3	003·5	002·6	001·6	000·6	999·4	998·6	998·1	997·0	996·3	996·6	995·4	995·0	994·5	993·5	993·4	993·6	993·3	000·3
12	992·7	992·3	991·7	991·8	992·0	992·2	992·3	992·5	992·8	993·1	993·4	993·5	994·3	995·6	997·0	998·3	999·7	001·4	002·5	003·8	004·6	005·7	005·7	006·3	996·6
13	006·6	006·8	006·9	006·9	006·8	006·7	007·0	007·1	007·1	006·7	006·3	005·8	005·0	004·1	003·0	001·8	000·9	999·7	998·8	998·4	997·4	996·4	995·7	994·8	003·4
14	993·9	993·3	992·9	992·4	991·9	992·0	992·4	992·7	992·9	993·0	992·9	992·9	992·9	993·1	993·3	993·3	993·5	994·0	994·3	994·6	994·5	994·5	994·4	994·4	993·3
15	994·1	993·9	993·5	993·4	993·1	993·3	993·4	993·5	993·5	993·2	992·8	992·5	992·4	992·1	992·3	992·3	992·5	993·1	993·9	994·4	994·3	994·3	994·3	994·2	993·3
16	994·0	994·1	994·1	994·2	994·5	994·9	995·4	995·9	996·5	997·1	997·6	998·4	998·9	999·6	000·2	000·7	001·5	002·1	002·7	003·3	003·5	003·4	003·5	003·4	998·5
17	003·1	002·6	002·0	001·2	000·2	999·7	999·0	998·0	997·3	996·3	995·5	994·7	993·7	992·7	991·9	991·1	990·3	989·5	989·1	988·8	987·9	987·2	987·0	986·8	994·7
18	986·7	987·1	987·3	987·3	987·4	987·6	987·9	988·0	987·9	987·6	987·4	987·1	987·3	987·8	987·9	988·0	988·1	988·5	989·4	990·3	990·8	991·5	991·9	992·3	**988·3**
19	992·6	992·8	993·2	993·8	994·6	995·2	995·7	995·8	995·7	995·4	995·4	995·5	995·4	994·8	993·7	993·3	992·7	992·3	992·0	991·9	991·9	992·2	992·2	992·6	993·8
20	992·7	992·7	992·5	992·4	992·1	992·3	992·6	993·1	994·0	994·7	995·6	996·4	997·0	997·2	997·6	997·7	998·2	998·5	998·3	998·1	997·6	997·2	996·5	996·0	995·4
21	995·2	994·6	994·2	993·7	993·7	993·8	994·2	994·4	994·6	994·9	995·4	995·9	996·0	996·1	995·9	995·9	996·1	996·1	996·2	996·3	996·1	995·6	995·2	994·2	995·2
22	993·9	992·7	992·1	991·3	990·5	989·6	988·4	988·4	988·4	988·6	988·5	988·3	988·0	987·7	987·3	987·2	987·6	988·0	988·4	988·5	988·5	988·5	988·6	988·5	989·2
23	988·4	988·4	988·3	988·3	988·4	988·7	989·0	989·6	989·9	990·1	990·5	990·9	991·2	991·6	992·0	992·5	993·4	994·3	995·1	995·8	996·1	996·6	997·0	997·5	991·6
24	997·9	998·4	998·9	999·2	999·7	000·5	001·3	001·4	002·1	002·3	002·3	002·6	002·9	002·8	002·8	001·9	001·9	001·7	001·7	001·4	000·5	999·9	999·1	998·1	000·9
25	997·5	996·4	995·0	993·8	992·9	992·1	991·4	990·5	990·1	989·4	988·9	988·9	988·9	988·8	988·7	988·8	989·2	989·4	990·2	991·0	991·7	992·5	993·5	994·5	991·5
26	995·8	997·0	997·6	998·8	000·1	001·3	002·3	003·4	004·4	005·2	006·0	006·8	007·8	008·6	009·1	009·6	010·2	010·9	011·6	011·8	012·1	012·1	012·2	012·6	005·8
27	012·8	012·9	012·5	012·6	012·6	012·2	012·0	011·6	011·2	010·9	010·3	009·9	009·0	008·6	008·0	007·5	007·3	007·1	007·0	006·6	006·3	005·9	005·4	004·5	009·5
28	004·2	003·8	003·5	003·9	004·5	005·5	007·1	009·8	011·1	012·7	013·6	014·4	015·2	015·8	016·4	017·3	017·7	018·5	018·9	019·4	019·3	020·0	020·1	019·9	012·7
29	020·0	019·8	019·7	020·0	020·0	020·5	020·9	021·4	021·9	022·1	022·3	022·3	022·0	022·2	022·0	021·5	021·2	021·0	020·7	020·1	019·5	018·9	018·2	017·8	**020·7**
30	017·4	016·6	016·2	015·8	015·5	015·4	015·5	015·5	015·1	014·8	014·7	014·0	013·5	012·8	012·3	011·8	011·5	011·5	011·4	010·8	010·4	010·3	009·3	009·3	013·6
Mean (Station level)	1004 ·13	1003 ·92	1003 ·73	1003 ·63	**1003 ·59**	1003 ·68	1003 ·87	1004 ·03	1004 ·20	1004 ·18	1004 ·16	1004 ·17	1004 ·16	1004 ·19	1004 ·14	1004 ·09	1004 ·21	1004 ·37	1004 ·59	**1004 ·74**	1004 ·60	1004 ·61	1004 ·49	1004 ·36	1004 ·16
Mean (Sea level)	1007 ·39	1007 ·18	1006 ·99	1006 ·89	**1006 ·85**	1006 ·94	1007 ·13	1007 ·28	1007 ·44	1007 ·41	1007 ·39	1007 ·39	1007 ·38	1007 ·41	1007 ·36	1007 ·31	1007 ·44	1007 ·60	1007 ·83	**1007 ·99**	1007 ·85	1007 ·86	1007 ·75	1007 ·62	1007 ·40

22. Aberdeen : H_b = 26·8 metres. **October, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	009·3	009·3	009·1	009·1	009·3	009·5	010·2	010·4	010·9	010·9	010·8	010·7	010·3	010·3	010·4	010·2	010·4	010·4	010·2	010·0	009·3	008·6	007·9	006·8	**009·8**
2	005·6	004·6	003·3	002·2	001·5	002·6	004·0	004·7	006·0	007·0	007·3	008·1	007·9	008·2	008·4	008·1	008·2	008·5	008·4	008·0	007·8	007·3	006·7	005·9	006·3
3	005·0	004·3	003·4	002·6	002·1	001·9	001·7	001·8	001·9	002·1	002·5	002·9	003·3	003·8	004·4	005·3	006·0	006·9	007·7	008·4	009·2	010·0	011·0	011·8	004·9
4	012·6	013·2	013·5	014·1	015·1	015·7	016·2	016·5	017·3	017·6	017·8	017·5	017·4	017·2	017·3	017·0	016·9	016·9	016·7	015·9	015·2	014·5	014·1	013·4	015·8
5	012·6	011·4	010·2	009·1	008·3	007·5	006·7	005·8	005·2	004·2	003·7	003·2	002·1	001·4	000·4	999·5	999·7	999·3	999·2	998·9	998·9	998·8	999·0	998·8	003·8
6	999·0	999·0	998·8	998·4	998·4	998·2	998·1	998·3	998·4	998·3	997·9	997·7	997·9	998·2	998·3	998·7	999·3	000·0	000·5	000·8	001·1	001·3	001·4	001·2	999·1
7	001·2	001·0	000·5	999·7	999·2	998·0	997·2	996·5	996·0	995·4	994·6	994·4	993·8	993·8	994·2	994·2	994·2	994·0	994·1	993·6	993·4	993·2	993·8	994·4	996·0
8	995·0	995·3	995·8	996·5	997·0	997·6	998·1	998·4	998·9	999·2	999·3	999·5	999·7	999·3	999·4	999·3	998·5	997·8	996·6	995·4	993·9	992·5	990·0	987·6	996·8
9	985·9	984·3	982·0	982·4	982·5	982·3	982·3	982·4	982·7	982·8	983·6	984·6	984·9	985·6	986·3	987·6	989·4	991·0	992·4	993·5	994·6	995·8	996·9	997·5	987·0
10	997·6	997·7	997·3	997·1	997·2	996·9	996·6	996·5	995·6	995·4	994·9	994·0	993·5	993·0	992·4	992·1	992·3	992·5	992·4	992·5	992·4	992·2	992·3	992·4	994·6
11	992·8	992·7	993·1	993·6	994·0	994·2	994·7	995·3	995·9	996·6	997·4	997·9	998·5	998·7	998·7	999·0	998·9	999·2	999·2	998·9	998·7	998·0	997·3	996·5	996·6
12	995·4	994·7	994·0	993·1	992·0	991·2	990·8	990·3	989·5	988·8	988·1	987·2	986·5	985·8	985·1	984·2	983·6	983·6	983·1	983·0	983·0	982·7	982·6	982·6	987·8
13	982·8	983·1	983·2	983·4	983·7	984·2	984·7	985·4	986·3	986·7	987·3	987·8	988·3	988·9	989·1	989·7	990·4	991·3	991·7	992·2	992·4	992·9	993·1	993·3	987·8
14	993·4	993·7	994·0	994·3	994·7	995·1	995·7	996·0	996·4	996·8	997·3	997·7	998·2	998·9	999·3	999·9	000·4	001·1	001·6	002·1	002·4	002·8	003·1	003·2	998·0
15	003·1	003·1	002·9	002·8	002·8	002·6	002·8	002·9	003·1	003·2	003·1	002·9	002·8	002·7	002·6	002·5	002·5	002·5	002·4	002·3	002·1	001·7	001·3	000·9	002·6
16	000·7	000·3	000·0	000·1	000·3	001·3	002·3	003·4	004·6	005·3	005·9	006·4	007·0	007·6	008·1	008·2	009·1	009·7	009·8	009·8	009·5	009·3	008·7	007·9	005·5
17	007·3	006·5	006·4	006·7	007·7	008·5	009·3	010·3	010·9	011·6	011·7	012·0	012·2	012·3	012·3	012·6	012·8	013·1	013·0	013·1	013·1	012·9	012·8	012·5	010·8
18	012·3	012·1	011·9	011·8	011·9	012·0	012·0	012·1	011·9	011·7	011·2	010·7	009·8	009·1	008·1	007·3	006·7	006·0	004·6	003·3	002·3	001·3	999·9	998·1	008·6
19	997·0	996·0	994·6	992·6	990·6	988·8	986·9	985·0	985·8	986·8	988·5	989·7	990·9	991·6	992·5	992·9	993·6	994·4	995·1	996·2	996·4	996·6	996·4	996·4	992·3
20	996·3	995·8	995·2	994·6	994·6	994·0	994·0	994·0	993·9	993·3	993·1	992·5	992·1	991·4	991·5	990·9	990·5	990·2	989·5	988·9	988·0	987·0	986·0	984·9	992·0
21	983·6	982·1	980·4	978·3	976·6	974·4	972·9	971·7	971·1	971·1	972·2	973·1	973·9	974·3	974·5	974·7	974·9	975·0	974·7	974·8	975·0	975·3	975·2	975·4	975·4
22	975·6	975·2	975·0	974·8	974·6	974·2	974·6	974·5	973·9	974·4	973·9	973·4	973·1	972·8	972·4	971·7	971·2	970·5	969·4	969·0	969·2	969·0	969·4	970·0	972·7
23	971·0	971·6	971·9	972·3	973·4	973·7	973·9	973·9	973·6	973·5	973·1	972·5	971·7	970·9	969·7	968·5	967·8	967·1	966·0	965·4	964·9	964·4	964·2	964·3	970·1
24	964·4	964·5	965·1	965·5	965·8	966·0	966·6	967·1	967·6	968·0	968·3	968·6	969·0	969·3	969·5	969·8	970·1	970·5	970·8	971·0	971·0	971·1	971·1	971·1	**968·3**
25	971·2	971·3	971·4	971·6	971·9	972·2	972·7	973·7	974·2	975·2	976·0	976·7	977·3	977·8	978·0	978·5	979·1	979·5	979·7	979·9	980·5	980·9	981·5	982·2	976·1
26	983·1	983·3	984·0	983·8	983·5	983·3	982·6	982·1	981·1	979·8	978·1	976·5	977·5	978·2	979·2	980·2	981·3	982·8	983·9	985·0	985·4	986·2	986·9	987·2	982·2
27	987·3	987·1	986·1	984·8	983·6	982·5	980·7	979·4	978·4	977·6	977·4	978·0	978·7	978·9	978·3	977·8	979·0	979·3	979·4	978·8	978·6	978·4	978·0	977·9	980·5
28	977·4	977·2	975·9	975·6	976·1	977·2	978·6	979·9	981·2	981·8	982·4	983·0	984·3	984·8	985·8	986·5	987·3	987·6	988·2	988·8	989·0	989·4	989·4	990·0	983·0
29	990·6	991·5	992·0	992·7	993·4	994·2	994·8	995·9	996·6	997·1	997·4	997·4	997·1	996·8	996·6	995·8	994·7	994·4	993·5	993·2	993·0	993·2	993·2	992·6	994·4
30	992·5	992·2	991·3	991·1	991·2	990·9	990·9	990·8	991·3	992·0	992·7	993·1	993·7	993·9	994·2	994·4	995·0	996·1	996·6	996·8	996·9	996·9	997·5	998·0	993·5
31	998·4	999·0	999·7	000·3	001·2	001·9	003·1	004·5	005·5	006·4	007·1	007·5	008·2	008·6	009·5	010·3	011·1	012·2	012·7	013·5	014·2	014·9	015·2	015·4	007·2
Mean (Station level)	993 ·55	993 ·33	992 ·97	992 ·74	992 ·72	**992 ·66**	992 ·76	992 ·89	993 ·09	993 ·25	993 ·37	993 ·46	993 ·60	993 ·68	993 ·76	993 ·82	994 ·03	**994 ·30**	994 ·29	994 ·29	994 ·24	994 ·16	994 ·06	993 ·88	993 ·53
Mean (Sea level)	996 ·79	996 ·57	996 ·21	995 ·98	995 ·96	**995 ·90**	996 ·00	996 ·13	996 ·32	996 ·48	996 ·59	996 ·68	996 ·81	996 ·89	996 ·97	997 ·04	997 ·26	**997 ·54**	997 ·53	997 ·53	997 ·49	997 ·41	997 ·31	997 ·13	996 ·76

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

23. Aberdeen : H_b (height of barometer cistern above M.S.L.) = 26·8 metres. **November, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	015·6	015·6	015·7	015·7	016·0	016·0	015·9	015·9	015·8	015·5	014·8	014·3	013·7	013·1	012·7	012·1	011·7	011·5	010·8	010·6	010·1	009·5	009·0	008·7	013·5
2	008·4	008·1	008·2	008·1	008·0	008·1	008·5	008·7	008·6	008·5	008·1	007·7	007·4	006·6	006·3	006·3	005·9	005·1	004·0	002·2	001·0	999·7	999·5	999·2	005·5
3	989·8	986·9	983·9	981·2	980·1	979·2	979·5	979·7	980·2	980·1	981·1	981·1	982·1	982·7	983·5	984·1	983·8	983·8	983·6	983·3	983·1	982·9	983·0	983·2	982·8
4	983·9	984·4	984·4	985·0	985·3	985·4	986·0	986·7	987·4	988·1	988·1	988·1	988·3	988·3	988·0	988·3	988·5	988·9	989·0	989·0	989·6	989·8	990·5	991·0	987·4
5	991·2	992·0	992·1	992·5	993·0	993·4	993·8	994·3	994·9	995·2	995·4	995·5	995·4	995·3	995·6	995·9	996·1	996·6	996·8	997·0	997·2	997·4	997·7	997·8	994·9
6	998·1	998·4	998·6	998·9	999·5	999·9	000·8	001·5	001·9	002·9	003·1	003·3	003·4	003·4	003·6	003·4	003·4	003·3	003·3	003·3	003·4	003·1	002·9	003·0	001·8
7	003·7	004·0	004·2	004·4	005·0	005·1	006·1	006·7	006·8	006·9	007·0	006·8	006·8	006·6	006·3	006·2	006·3	005·7	005·2	004·9	004·2	003·1	002·4	001·4	005·3
8	000·6	999·9	998·6	997·1	996·2	995·4	994·7	994·4	993·9	993·6	993·3	992·9	992·7	992·6	992·7	992·6	992·7	993·0	993·0	993·3	993·7	993·9	994·4	994·9	994·7
9	995·4	996·3	996·9	997·8	998·9	000·1	001·4	002·6	004·5	006·5	008·0	009·4	010·9	012·2	013·4	015·2	016·6	018·0	018·9	019·8	020·7	021·5	022·0	022·2	009·0
10	022·8	023·2	023·6	024·0	024·4	024·7	025·2	025·6	025·7	025·4	025·1	024·7	024·0	023·6	022·9	022·4	021·9	022·2	021·2	020·7	020·6	020·4	019·8	018·9	**023·1**
11	018·0	017·9	017·1	016·5	015·9	015·5	015·2	014·6	014·7	013·7	012·6	012·5	011·3	009·8	008·5	007·1	005·8	005·0	003·7	002·8	001·7	001·6	001·3	000·5	010·5
12	999·7	999·6	998·6	996·9	996·3	995·9	995·2	994·9	994·7	994·7	994·9	995·1	994·9	995·3	995·5	996·0	996·5	997·1	997·1	997·1	997·2	996·9	997·0	996·5	996·5
13	995·6	994·6	993·5	991·8	990·7	989·5	987·8	986·9	985·7	984·6	983·7	982·7	981·7	980·8	979·9	978·9	977·5	976·2	974·2	972·2	969·6	968·4	966·6	966·4	982·3
14	966·6	966·8	966·9	966·8	967·5	968·6	969·5	969·8	970·6	970·7	971·0	971·3	972·5	973·7	975·3	976·1	977·9	979·8	981·3	982·8	984·1	985·0	986·4	986·9	**974·1**
15	987·9	988·5	989·0	989·4	989·0	988·5	987·6	986·5	985·4	983·9	981·7	979·2	976·7	974·5	972·4	970·1	967·5	965·1	962·3	961·1	960·9	960·5	961·1	962·5	976·8
16	965·2	968·1	969·8	971·9	974·0	976·2	978·6	980·8	982·3	984·1	985·3	985·5	986·8	987·1	987·2	986·9	986·9	987·0	986·7	986·7	986·8	986·1	985·4	983·6	981·2
17	982·2	980·0	979·5	978·7	978·2	978·4	979·1	980·2	980·9	981·8	983·2	984·2	984·9	985·4	985·5	985·5	985·4	985·5	986·5	987·1	987·1	987·1	987·2	986·7	983·3
18	986·3	985·7	984·8	984·8	984·3	983·6	983·6	983·8	983·7	984·6	985·2	985·5	985·5	985·2	985·6	986·1	987·7	988·1	989·3	990·0	990·8	991·2	991·7	992·1	986·5
19	992·3	993·6	993·6	993·9	994·3	995·1	995·4	996·1	996·7	997·0	996·8	996·8	996·9	996·9	997·1	997·3	997·2	997·0	996·6	996·9	997·0	996·7	996·8	996·8	995·9
20	996·8	996·8	997·1	997·3	997·2	997·5	998·0	998·4	998·9	999·3	999·8	000·0	000·4	000·8	001·2	001·8	002·1	002·3	002·6	002·7	002·8	002·9	002·8	002·8	000·0
21	002·9	002·9	002·7	002·6	002·4	002·6	002·5	002·7	002·8	003·0	003·0	002·7	002·7	002·7	002·8	003·2	003·3	003·4	003·6	004·1	004·6	004·8	005·4	005·8	003·2
22	006·4	006·7	007·3	007·6	007·9	008·0	008·3	008·7	008·9	009·1	009·1	009·0	009·0	009·1	009·3	009·3	009·6	009·8	009·9	009·8	009·8	009·7	009·8	009·8	008·7
23	009·9	010·1	010·1	010·0	010·0	010·2	010·4	011·0	011·6	011·9	012·1	012·2	012·4	012·5	013·2	013·4	013·7	014·4	014·8	015·1	015·4	015·7	016·1	016·2	012·5
24	016·4	016·6	016·8	016·8	016·7	016·7	016·7	016·9	017·1	017·1	017·0	017·0	016·8	016·6	016·4	016·2	015·9	015·7	015·3	014·7	014·2	013·7	012·8	012·1	016·0
25	011·1	010·5	009·9	009·1	008·4	007·9	007·9	007·6	007·6	007·5	007·4	007·1	006·8	006·5	006·3	006·1	005·8	005·9	005·8	005·7	005·6	005·7	005·8	005·6	007·4
26	005·7	005·7	005·6	005·6	005·6	005·5	005·8	005·9	006·1	006·3	006·3	006·1	005·9	005·6	005·6	005·6	005·9	006·0	006·0	006·2	006·0	006·2	006·2	006·2	005·9
27	006·1	006·2	006·4	006·3	006·4	006·7	006·8	007·2	007·5	008·0	008·1	007·9	008·1	008·1	008·1	008·3	008·5	008·8	009·4	009·6	009·8	010·0	010·2	010·3	007·9
28	010·0	009·9	009·6	009·3	009·2	009·0	008·4	008·5	008·6	008·7	008·4	007·9	007·7	007·4	007·3	007·4	007·2	006·9	006·7	006·8	006·5	006·4	006·3	006·1	008·0
29	005·6	005·6	005·4	005·1	005·0	005·2	005·3	005·6	005·9	006·5	006·7	006·8	006·8	006·8	007·1	007·8	008·1	008·5	008·6	008·7	008·9	009·1	009·2	009·4	006·9
30	010·0	010·3	010·4	010·3	010·5	010·7	010·7	010·8	010·8	010·8	010·6	010·1	009·4	008·8	008·4	007·6	007·0	006·3	005·7	004·6	003·8	003·2	002·6	002·4	008·3
Mean (Station level)	999 ·47	999 ·50	999 ·34	999 ·18	999 ·20	999 ·29	999 ·49	999 ·77	1000 ·01	1000 ·20	**1000 ·23**	1000 ·11	1000 ·06	999 ·93	999 ·92	999 ·89	999 ·85	999 ·86	999 ·67	999 ·59	999 ·50	999 ·33	999 ·27	**999 ·09**	999 ·67
Mean (Sea level)	1002 ·79	1002 ·82	1002 ·66	1002 ·50	1002 ·52	1002 ·61	1002 ·81	1003 ·09	1003 ·33	1003 ·51	**1003 ·53**	1003 ·40	1003 ·35	1003 ·22	1003 ·22	1003 ·20	1003 ·16	1003 ·17	1002 ·98	1002 ·90	1002 ·81	1002 ·65	1002 ·59	**1002 ·41**	1002 ·98

24. Aberdeen : H_b = 26·8 metres. **December, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	001·8	001·8	002·0	002·1	002·0	002·0	002·1	002·5	002·4	002·4	002·2	001·6	001·3	000·5	999·9	999·8	999·1	998·5	997·7	997·1	996·1	995·2	994·5	993·0	000·1
2	992·4	991·4	990·7	989·8	988·7	987·8	986·8	985·9	984·9	984·4	983·8	983·0	982·8	982·2	983·1	984·6	985·9	986·8	987·7	988·1	988·6	988·9	989·4	989·8	987·0
3	989·9	989·8	990·3	990·4	990·5	990·9	991·7	992·7	993·5	994·0	994·4	994·6	994·7	994·6	995·1	995·4	995·4	995·8	996·0	995·8	995·5	995·4	995·0	994·4	993·5
4	993·9	993·5	993·0	992·3	991·4	990·9	990·4	989·6	989·4	989·2	988·7	988·0	987·4	986·9	986·9	986·8	986·8	986·9	987·0	987·4	988·1	988·8	989·7	990·5	989·4
5	991·1	991·7	992·2	993·1	993·8	995·1	996·2	997·1	998·3	999·6	000·2	000·8	001·6	002·5	003·0	003·8	004·5	005·5	006·1	007·1	007·7	007·8	008·2	008·5	000·3
6	008·8	009·3	009·4	009·4	009·7	010·0	010·6	010·9	011·0	011·1	011·1	010·9	010·6	009·8	009·6	009·3	008·9	008·4	007·8	007·1	006·4	006·0	005·0	003·9	009·1
7	002·8	001·6	000·4	998·8	997·6	996·7	995·5	994·7	994·2	992·7	992·3	991·3	989·7	989·0	988·2	987·1	986·3	985·6	985·1	983·9	983·1	982·6	981·7	981·0	991·4
8	980·2	979·6	979·0	978·7	978·5	978·3	978·5	979·2	980·1	980·9	981·0	982·2	983·5	984·6	986·6	988·5	990·0	991·7	993·5	994·8	996·0	997·5	998·6	999·3	**985·5**
9	999·9	000·7	001·6	002·4	003·3	004·1	004·8	005·8	006·7	007·3	007·5	007·6	007·6	007·5	007·6	007·6	007·4	007·1	006·6	006·1	005·7	005·1	004·4	004·2	005·3
10	004·2	004·0	004·1	004·0	003·8	004·0	004·5	005·1	005·8	006·2	006·5	006·8	007·2	007·4	007·6	008·0	008·6	009·1	009·4	009·9	010·3	010·4	010·7	011·0	006·9
11	011·4	011·9	012·1	011·9	012·3	012·4	012·4	012·5	012·9	013·3	013·1	013·2	013·2	013·3	013·7	013·1	013·0	013·5	013·5	013·0	013·4	013·3	012·9	012·4	012·8
12	012·6	012·1	012·2	012·4	012·0	012·1	011·9	012·3	012·4	012·7	012·7	012·5	012·4	012·3	012·4	013·1	013·8	013·9	014·2	014·6	014·7	014·9	014·9	015·0	013·0
13	015·3	015·6	016·0	016·6	017·5	018·3	018·8	019·8	020·9	022·3	022·6	023·1	023·6	024·1	024·8	025·2	025·7	025·9	026·1	025·3	025·1	024·9	023·9	022·8	021·7
14	022·1	020·6	019·3	018·4	016·3	015·5	014·3	013·5	012·1	012·4	012·8	011·6	009·7	008·8	008·8	009·3	009·6	010·0	010·3	010·9	011·4	012·2	012·7	012·9	013·4
15	013·3	013·5	014·2	015·1	015·3	015·6	016·6	017·3	017·9	019·2	019·6	019·6	019·3	019·3	019·0	018·6	017·5	017·7	017·2	015·9	014·8	013·9	012·7	011·3	016·5
16	009·4	007·9	006·6	004·9	004·5	004·8	005·1	005·6	005·0	004·6	004·8	004·7	005·3	005·2	005·6	006·5	007·7	008·6	008·9	009·8	010·3	010·3	011·0	011·2	007·0
17	011·0	010·7	010·9	009·7	009·0	008·4	007·9	007·6	006·8	006·0	005·3	003·7	003·4	003·2	003·0	002·6	002·8	003·1	003·8	004·5	005·0	005·6	005·7	005·5	006·2
18	005·1	004·5	004·6	004·0	003·3	002·8	002·7	002·6	002·4	002·7	003·3	003·8	004·7	006·0	007·0	008·5	009·8	011·3	012·7	013·3	013·6	013·7	013·7	014·2	006·9
19	014·7	015·2	015·9	016·0	016·2	016·4	016·1	015·8	015·9	016·2	016·4	015·9	015·6	015·8	015·3	015·2	015·7	016·2	017·2	018·5	019·4	021·5	022·9	023·9	016·8
20	025·2	026·2	026·7	027·6	027·6	027·5	027·7	028·2	028·7	028·9	028·8	028·5	028·2	027·5	027·1	026·7	026·5	026·3	026·0	025·8	025·2	024·5	024·0	023·5	**026·8**
21	022·8	022·3	021·8	021·0	020·4	020·0	019·7	019·5	018·9	018·4	017·9	017·2	016·9	016·1	015·4	014·3	014·0	013·1	012·5	011·6	010·5	009·6	007·6	005·6	016·5
22	003·7	001·5	000·0	998·1	996·0	994·8	993·7	992·9	992·6	992·9	993·0	992·4	992·2	991·5	991·5	992·2	992·5	992·0	991·8	992·1	992·0	991·8	991·7	991·3	994·2
23	990·3	989·6	988·7	988·9	989·3	989·9	991·2	992·3	993·6	995·5	997·1	997·9	998·7	999·4	000·3	001·2	001·7	001·9	001·9	001·8	001·5	001·2	001·0	000·7	996·3
24	999·8	999·0	997·1	996·6	995·9	995·6	995·5	995·2	995·9	997·8	999·6	001·2	002·9	004·3	005·7	006·9	008·1	009·1	009·5	010·1	010·6	010·9	011·2	011·1	002·7
25	011·1	011·4	011·6	011·5	011·6	011·8	011·8	011·7	011·6	011·2	011·0	010·0	008·9	007·6	006·8	005·9	004·9	003·8	003·1	002·5	002·1	001·5	001·2	001·3	007·9
26	001·5	001·7	001·8	002·2	002·6	003·3	003·7	004·4	004·4	005·5	006·0	005·8	005·4	005·3	005·5	005·4	005·1	004·4	003·8	003·2	002·8	002·1	001·6	001·3	003·7
27	001·0	001·1	001·2	001·5	001·6	001·7	001·8	002·4	002·2	002·3	002·3	001·5	001·1	000·2	999·5	999·0	998·4	997·5	996·6	996·3	995·9	995·3	995·0	995·2	999·7
28	995·6	996·0	996·8	997·5	998·5	999·5	000·9	002·5	004·8	006·6	008·0	008·9	010·0	011·1	012·1	013·3	014·1	015·2	016·1	016·9	017·1	018·3	019·6	020·6	007·8
29	021·0	021·5	021·6	022·2	022·5	022·6	023·1	023·4	023·8	024·2	024·1	023·5	023·0	022·5	022·1	021·4	021·1	020·3	019·7	019·3	018·7	017·8	016·8	015·9	021·4
30	015·1	014·1	013·4	012·0	011·4	010·8	010·4	010·4	010·3	010·4	010·6	010·7	010·6	010·9	011·2	011·9	012·0	013·1	013·5	014·4	014·9	015·8	016·5	016·8	012·5
31	016·7	017·3	017·7	017·7	017·7	017·5	017·5	017·3	017·0	016·6	016·1	015·9	015·4	014·7	014·1	013·8	013·9	014·0	014·0	014·0	014·1	014·0	014·1	014·4	015·7
Mean (Station level)	1005 ·93	1005 ·71	1005 ·58	1005 ·38	**1005 ·19**	1005 ·20	1005 ·29	1005 ·51	1005 ·69	1006 ·05	1006 ·22	1006 ·08	1006 ·03	1005 ·94	1006 ·08	1006 ·29	1006 ·48	1006 ·65	1006 ·75	**1008 ·81**	1006 ·79	1006 ·80	1006 ·71	1006 ·53	1006 ·06
Mean (Sea level)	1009 ·27	1009 ·05	1008 ·92	1008 ·72	**1008 ·53**	1008 ·54	1008 ·63	1008 ·85	1009 ·02	1009 ·38	1009 ·55	1009 ·41	1009 ·36	1009 ·27	1009 ·41	1009 ·63	1009 ·82	1009 ·99	1010 ·09	**1010 ·15**	1010 ·13	1010 ·14	1010 ·05	1009 ·87	1009 ·40
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

ANNUAL MEANS OF HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

5. Aberdeen : $H_b = 26{\cdot}8$ metres. **1923.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Station Level. mb. +	mb. 105·13	104·97	104·80	104·67	**104·64**	104·69	104·83	104·99	105·14	105·22	105·25	105·19	105·16	105·10	105·07	105·08	105·16	105·29	105·38	105·48	**105·52**	105·49	105·42	105·31	105·12
Sea Level. mb. +	008·42	008·26	008·09	007·96	**007·94**	007·98	008·12	008·27	008·42	008·49	008·53	008·45	008·42	008·36	008·33	008·35	008·43	008·57	008·66	008·76	**008·80**	008·78	008·72	008·60	008·40

PRESSURE AT STATION LEVEL; MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

6. Aberdeen : $H_b = 26{\cdot}8$ metres. **1923.**

Month.	Mean	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	1008·27	+0·08	+0·02	−0·19	−0·42	−0·53	**−0·71**	−0·54	−0·23	+0·01	+0·10	+0·14	−0·11	−0·23	−0·27	−0·26	−0·05	+0·18	+0·37	+0·49	+0·52	**+0·58**	+0·44	+0·35	+0·29
Feb.	996·54	0·00	−0·11	−0·23	−0·34	**−0·42**	−0·33	−0·27	−0·12	−0·03	+0·03	+0·17	+0·09	+0·03	−0·05	−0·14	−0·05	+0·11	+0·29	**+0·31**	+0·29	+0·30	+0·24	+0·11	+0·11
Mar.	**1014·94**	+0·05	−0·12	−0·31	−0·41	**−0·41**	−0·32	−0·09	+0·09	+0·27	**+0·37**	+0·37	+0·29	+0·15	−0·01	−0·24	−0·31	−0·26	−0·08	+0·09	+0·15	+0·22	+0·21	+0·18	+0·13
April	1006·80	+0·27	+0·06	−0·13	−0·36	**−0·46**	−0·42	−0·27	−0·24	−0·08	−0·03	−0·02	−0·04	−0·03	−0·09	−0·20	−0·25	−0·19	−0·07	+0·12	+0·38	+0·47	+0·52	**+0·58**	+0·47
May	1006·74	−0·09	−0·22	−0·26	**−0·31**	−0·24	−0·15	−0·03	+0·12	+0·23	+0·26	**+0·27**	+0·23	+0·17	+0·12	−0·02	−0·14	−0·21	−0·21	−0·05	+0·08	+0·19	+0·16	+0·11	+0·02
June	1013·10	+0·21	−0·03	−0·15	−0·22	−0·16	−0·07	+0·05	+0·13	+0·13	+0·05	−0·01	−0·11	−0·21	−0·32	−0·35	**−0·41**	−0·40	−0·20	−0·01	+0·20	+0·45	**+0·57**	+0·51	+0·35
July	1008·14	+0·11	−0·10	−0·24	**−0·30**	−0·27	−0·15	−0·03	+0·14	+0·20	+0·19	+0·13	+0·04	+0·02	−0·07	−0·08	−0·21	−0·22	−0·17	−0·07	+0·05	+0·21	**+0·31**	+0·28	+0·24
Aug.	1003·53	−0·10	−0·30	−0·44	**−0·53**	−0·45	−0·42	−0·31	−0·25	−0·11	−0·05	−0·01	−0·02	+0·08	+0·09	+0·13	+0·17	+0·21	+0·25	+0·31	+0·48	**+0·49**	+0·42	+0·29	+0·08
Sept.	1004·16	+0·03	−0·19	−0·38	−0·49	**−0·53**	−0·45	−0·27	−0·10	+0·06	+0·03	+0·01	+0·01	0·00	+0·02	−0·03	−0·09	+0·03	+0·18	+0·40	**+0·54**	+0·40	+0·40	+0·28	+0·14
Oct.	**993·53**	+0·11	−0·13	−0·49	−0·73	−0·76	**−0·82**	−0·73	−0·61	−0·42	−0·27	−0·15	−0·07	+0·06	+0·13	+0·20	+0·25	+0·45	**+0·72**	+0·70	+0·69	+0·63	+0·55	+0·44	+0·25
Nov.	999·67	−0·39	−0·35	−0·48	**−0·63**	−0·59	−0·49	−0·27	+0·03	+0·29	+0·50	**+0·55**	+0·45	+0·42	+0·30	+0·31	+0·30	+0·28	+0·30	+0·13	+0·07	−0·01	−0·15	−0·20	−0·36
Dec.	1006·06	+0·04	−0·19	−0·34	−0·55	−0·76	**−0·77**	−0·69	−0·49	−0·32	+0·02	+0·17	+0·01	−0·05	−0·15	−0·03	+0·16	+0·33	+0·50	+0·58	**+0·62**	+0·59	+0·58	+0·47	+0·28
Year	1005·12	+0·03	−0·14	−0·30	−0·44	**−0·47**	−0·42	−0·29	−0·13	+0·02	+0·10	+0·13	+0·06	+0·04	−0·02	−0·06	−0·05	+0·03	+0·16	+0·25	+0·34	**+0·38**	+0·35	+0·28	+0·17

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

7. Aberdeen : $H_b = 26{\cdot}8$ metres. **1923.**

Day.	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	004·5	995·6	996·3	985·9	992·8	986·1	020·8	014·3	013·0	997·8	025·6	021·8	014·4	012·5	002·6	989·5	012·5	005·6	011·0	006·8	016·1	008·7	002·5	993·0
2	001·5	976·8	001·3	986·0	988·1	**980·5**	**023·7**	020·8	021·7	013·0	**025·9**	020·5	012·5	001·7	004·6	985·2	**023·8**	012·5	008·6	001·4	008·7	992·9	993·0	982·1
3	997·5	976·6	004·5	993·0	003·9	980·7	020·9	012·8	020·5	009·4	020·5	011·6	006·3	999·8	010·8	981·8	023·7	012·5	011·8	001·6	992·9	978·9	996·1	989·7
4	012·3	997·5	012·3	004·5	016·4	003·9	012·8	007·8	009·6	003·8	014·7	012·3	013·0	006·3	020·0	010·8	015·3	009·8	**017·9**	011·8	991·0	983·2	994·4	986·7
5	009·5	991·3	008·7	994·1	014·6	999·6	012·4	008·3	006·0	002·7	012·4	004·6	020·1	012·9	019·4	010·8	015·0	009·6	013·4	998·7	997·8	991·0	008·5	990·5
6	008·4	998·3	994·1	983·2	005·5	993·5	012·4	007·8	011·0	002·2	015·2	009·1	021·2	019·9	010·8	008·7	016·7	008·5	001·2	997·7	003·7	997·8	011·3	003·9
7	005·6	993·4	984·6	973·5	009·7	992·1	014·2	006·8	014·0	011·0	015·2	007·2	020·2	012·4	009·0	003·9	022·0	009·0	001·3	992·9	007·1	001·4	003·9	981·0
8	005·7	990·9	987·4	968·7	022·1	009·7	019·2	014·2	011·2	008·7	007·2	995·2	014·9	010·0	013·0	008·0	022·4	010·9	999·9	987·6	001·4	992·5	999·3	**978·1**
9	002·8	977·4	002·3	987·4	022·1	017·7	019·0	013·1	008·7	003·3	000·8	**993·8**	019·1	014·9	011·4	006·3	010·9	004·1	997·5	981·7	022·2	994·9	007·7	999·3
10	993·4	**973·4**	001·6	997·8	017·7	011·8	013·1	008·0	008·3	983·3	004·0	993·9	020·7	017·9	016·5	011·2	012·1	009·8	997·7	992·1	**025·9**	018·9	011·0	003·7
11	011·9	993·3	006·1	001·2	018·3	013·2	010·3	004·9	988·6	**982·8**	023·4	004·0	019·7	017·6	**022·2**	016·2	010·2	993·0	999·3	992·4	018·9	000·5	013·9	010·9
12	020·1	011·9	015·3	005·4	017·8	005·5	004·9	988·5	989·0	987·3	023·3	004·7	022·0	017·6	022·1	013·7	006·3	991·7	996·5	982·5	000·5	994·5	015·1	011·7
13	019·7	006·8	**020·4**	015·3	026·2	003·1	988·5	982·3	993·2	988·4	011·7	001·9	**023·7**	021·5	014·6	007·8	007·2	994·8	993·3	982·6	996·5	966·4	026·2	015·0
14	008·6	999·9	020·2	015·6	030·6	026·2	995·6	987·1	996·3	993·0	019·2	011·7	023·1	013·0	016·5	014·3	994·8	991·8	003·2	993·3	986·9	966·1	022·8	008·7
15	022·3	008·3	015·6	007·4	030·6	029·1	005·6	995·6	996·4	994·9	017·1	008·7	013·0	999·8	015·1	010·6	994·4	992·1	003·2	000·9	989·4	**960·4**	019·7	012·8
16	026·0	022·3	007·4	005·2	031·1	028·4	015·8	005·6	999·8	994·0	017·2	011·4	000·5	998·3	012·4	006·3	003·6	993·9	010·0	000·0	987·2	962·5	011·3	004·5
17	024·0	022·0	009·7	005·6	**033·0**	030·5	019·6	015·8	010·5	997·9	019·4	014·4	001·2	998·0	006·3	991·8	003·4	986·7	013·2	006·3	987·3	978·1	011·2	002·6
18	**027·3**	022·6	005·6	994·7	032·9	030·1	018·3	011·3	013·4	007·3	014·5	010·3	009·9	001·2	005·2	991·7	992·3	**986·5**	012·5	998·1	992·1	983·1	014·2	002·1
19	024·1	001·6	003·4	996·1	030·1	025·4	011·3	009·4	007·3	000·5	016·5	012·6	009·5	002·6	008·2	005·2	995·9	991·6	998·1	985·0	997·3	992·0	023·9	014·1
20	020·8	002·5	005·2	998·1	025·4	021·6	013·0	010·6	000·5	991·7	019·8	015·6	010·7	003·6	006·7	998·0	998·5	992·0	996·4	984·9	002·9	996·7	**029·0**	023·5
21	020·4	012·1	998·1	987·1	021·6	018·8	014·5	011·6	007·2	992·5	015·6	010·3	014·0	010·0	998·0	**978·0**	996·3	993·6	984·9	970·8	005·8	002·4	023·5	005·6
22	023·6	010·1	987·6	986·3	019·1	015·3	014·3	006·6	013·9	007·2	013·2	009·3	013·6	003·3	994·5	985·4	994·3	987·1	975·7	968·8	009·9	005·8	005·6	991·3
23	027·2	010·9	991·1	986·2	015·3	011·6	011·5	004·9	016·9	012·2	013·8	011·7	003·4	999·6	999·5	992·4	997·5	988·2	974·0	**964·2**	016·2	009·8	002·0	988·6
24	021·8	010·9	999·0	991·0	012·3	008·8	013·6	002·3	016·9	002·0	017·1	012·0	005·9	001·8	006·4	990·7	002·9	997·5	971·2	964·3	017·2	012·1	011·2	994·9
25	024·3	020·5	999·8	992·5	015·7	012·2	002·3	981·9	005·3	001·2	017·0	015·4	001·8	995·1	008·7	994·0	998·1	988·7	982·2	971·1	012·1	05·5	011·9	001·2
26	021·1	016·1	992·5	970·4	022·0	015·7	997·1	**981·3**	015·0	004·8	017·8	015·2	004·7	993·9	994·1	988·6	012·6	994·5	987·4	976·4	006·4	005·4	006·1	001·3
27	016·1	010·0	975·4	**968·4**	018·5	011·6	005·3	997·1	021·9	015·0	019·6	016·3	010·3	004·7	988·9	987·4	013·0	004·5	987·4	977·2	010·3	006·0	002·4	994·9
28	017·0	009·9	986·1	975·4	017·6	011·2	005·2	000·1	**026·8**	021·0	019·5	017·9	006·8	001·9	001·7	988·2	020·2	003·4	990·0	975·5	010·3	006·1	020·6	995·2
29	012·7	005·1	—	—	024·2	017·6	001·5	000·0	026·4	023·0	020·0	015·2	002·3	995·8	003·1	993·8	022·4	017·8	997·5	990·0	009·4	004·9	024·3	015·9
30	012·9	005·6	—	—	024·7	020·8	001·1	994·4	023·1	020·8	015·2	011·7	995·8	990·4	001·8	992·4	017·8	009·0	998·0	990·4	011·0	002·3	017·1	010·3
31	008·7	993·6	—	—	020·8	015·3	—	—	024·0	022·7	—	—	990·4	**988·3**	005·6	001·8	—	—	015·5	997·9	—	—	018·0	013·7
Mean	1014 ·57	1002 ·17	1001 ·13	992 ·00	1018 ·73	1011 ·21	1010 ·59	1003 ·51	1010 ·21	1003 ·08	1016 ·41	1010 ·01	1011 ·12	1005 ·36	1008 ·05	998 ·85	1008 ·54	999 ·69	998 ·38	988 ·55	1004 ·48	994 ·03	1011 ·54	1000 ·86

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1012·3 mb. is written 012·3. This rule does not, however, apply to monthly means.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

28. Aberdeen : North Wall Screen on Tower: h_t (height of thermometer bulb above the ground) = 12·5 metres. **January, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	74·6	74·1	75·1	75·0	75·4	74·5	74·8	74·7	74·8	75·1	75·3	76·1	76·7	76·4	76·1	74·7	74·1	73·9	74·0	73·9	74·3	74·4	74·9	76·9	74·9
2	77·2	77·2	77·5	77·9	78·0	78·0	78·1	78·5	79·1	79·9	81·1	82·3	80·5	80·4	80·1	80·1	80·1	80·3	80·1	80·8	80·4	80·4	80·1	79·9	79·4
3	78·7	78·9	79·0	78·5	77·9	78·2	77·9	77·4	77·0	77·1	78·0	78·5	78·7	78·7	78·6	77·9	77·4	77·5	78·3	77·8	78·7	78·9	78·5	78·6	78·2
4	78·6	78·4	78·4	78·1	78·3	77·9	77·9	77·9	77·6	77·1	77·7	78·9	79·1	79·0	78·1	77·4	76·3	76·1	76·0	75·8	75·4	75·3	76·3	76·9	77·5
5	77·0	77·9	78·4	78·7	78·5	78·6	78·5	78·6	78·5	78·4	78·3	78·4	78·5	78·6	78·7	78·5	77·8	76·7	76·8	76·8	76·9	76·6	76·5	76·5	77·9
6	75·7	75·2	74·2	74·2	73·7	73·2	73·9	73·9	73·8	73·9	74·4	75·8	76·0	76·6	76·0	75·1	74·4	74·3	74·7	74·9	75·0	75·4	75·9	77·2	74·9
7	76·3	76·8	77·6	77·6	77·9	77·8	77·7	77·8	77·7	77·9	78·2	78·7	80·1	80·4	80·1	80·6	80·4	80·1	80·4	80·2	80·4	81·4	81·0	81·8	79·0
8	82·5	82·3	82·9	83·1	82·9	82·5	82·1	80·8	80·3	80·1	80·5	80·7	81·0	80·9	80·2	79·6	79·0	77·9	77·2	76·3	76·0	75·8	76·3	77·0	80·0
9	77·7	78·5	78·9	78·1	78·2	78·2	78·0	77·4	76·7	76·5	76·1	76·7	77·0	77·1	76·3	75·9	75·8	76·3	76·3	76·6	76·6	76·5	76·4	76·5	77·0
10	76·9	76·7	76·6	76·9	76·4	78·5	78·3	78·0	78·0	77·7	76·9	76·1	77·2	77·8	77·6	77·4	77·4	77·4	77·1	77·1	76·9	76·6	76·6	76·4	77·2
11	76·3	76·3	76·6	76·9	75·8	76·3	76·2	76·1	77·0	76·8	77·2	78·6	77·5	77·5	77·1	77·0	76·4	76·4	76·5	75·9	75·3	75·3	75·3	75·1	76·5
12	75·2	75·0	74·9	74·4	74·6	74·7	74·6	74·6	74·4	75·0	75·1	75·2	75·4	75·6	75·1	74·7	74·7	74·6	73·9	73·9	74·0	73·2	72·9	72·8	**74·6**
13	72·6	72·9	72·5	72·3	72·9	72·7	72·9	73·5	74·3	74·7	75·2	75·6	76·2	76·7	77·0	77·8	80·5	80·4	81·5	81·4	80·9	81·0	81·3	80·4	76·4
14	80·3	80·2	80·9	81·0	81·0	81·1	81·0	80·5	78·8	78·4	78·5	78·9	79·3	79·0	78·5	77·4	77·3	77·8	78·0	78·1	78·4	78·0	78·9	78·6	79·2
15	78·3	78·5	78·4	78·7	78·4	79·0	78·8	79·0	78·7	79·1	79·5	80·0	79·9	80·1	80·0	79·9	79·7	79·2	79·2	78·9	78·4	78·4	77·6	77·5	79·0
16	77·0	76·9	76·7	76·8	76·6	76·9	76·9	76·7	76·7	77·4	78·0	78·4	78·5	78·4	78·3	78·2	78·2	78·2	78·1	78·2	78·4	78·7	78·9	78·9	77·7
17	78·7	78·2	77·5	77·6	78·0	77·2	76·5	76·1	76·0	77·0	78·4	79·0	79·5	80·1	80·1	80·0	79·9	79·8	79·7	79·1	79·0	80·4	79·4	78·0	78·6
18	77·4	76·4	76·6	76·4	76·0	76·4	76·8	76·7	76·5	76·8	77·6	78·9	79·7	79·7	79·6	78·9	78·4	78·7	78·7	78·9	78·9	78·6	77·7	78·1	77·8
19	79·5	79·6	80·1	79·1	78·6	78·4	78·0	78·2	78·3	80·6	80·3	80·8	81·9	85·0	84·4	84·5	82·3	81·3	80·4	79·6	78·5	78·0	77·5	76·8	80·1
20	76·7	76·6	76·6	76·3	74·4	74·9	74·4	74·1	75·6	75·4	75·4	74·7	75·4	75·5	75·9	75·9	75·5	75·0	74·4	74·5	74·7	75·0	74·7	75·2	75·3
21	75·6	75·5	75·3	75·4	75·6	75·7	75·9	76·0	76·1	79·5	81·8	82·9	83·4	84·5	84·9	83·9	83·8	83·1	83·5	83·2	82·5	83·3	83·1	83·1	80·2
22	83·0	82·7	82·4	82·4	82·4	83·0	82·2	82·3	82·4	83·2	83·1	80·1	79·3	78·0	76·9	77·1	76·6	76·1	76·1	75·6	76·0	76·0	76·0	76·0	79·7
23	75·2	75·2	75·1	75·3	75·1	75·2	75·1	75·4	75·7	76·2	76·5	76·2	76·6	78·0	78·4	78·4	77·5	77·9	78·5	82·1	82·4	82·1	82·5	82·6	77·5
24	83·3	84·0	84·0	84·1	84·1	83·6	83·1	82·5	82·4	82·9	83·2	83·9	84·2	84·3	84·1	83·7	82·8	82·5	82·6	83·0	82·4	82·9	82·4	81·2	**83·2**
25	81·0	80·4	80·7	80·2	80·7	80·1	80·6	82·0	82·1	82·4	82·6	83·0	83·7	83·8	83·5	83·4	82·7	82·0	82·2	81·8	81·6	82·3	82·6	82·8	82·0
26	82·9	82·8	82·5	82·1	82·3	82·1	82·3	82·0	82·6	82·7	83·4	83·9	84·4	83·9	83·5	83·0	82·5	82·3	82·4	81·5	81·5	82·0	81·0	80·7	82·6
27	80·5	81·1	81·6	81·6	81·9	81·9	82·2	82·4	83·5	83·2	84·4	84·5	84·5	81·3	81·0	80·6	80·0	79·7	79·1	79·0	78·5	78·1	78·0	78·0	81·2
28	77·7	77·7	77·7	77·8	78·1	78·1	78·1	78·1	78·0	78·0	78·2	77·7	77·9	78·1	78·1	78·4	78·5	79·0	80·0	80·2	80·0	80·1	79·5	79·2	78·5
29	79·6	79·7	79·5	79·1	79·0	79·0	79·0	79·0	79·2	79·2	79·8	78·8	77·9	77·6	77·5	77·4	77·3	77·1	76·9	76·6	76·2	76·2	76·2	76·2	78·1
30	76·2	76·2	76·0	76·2	76·5	77·0	77·4	77·9	78·4	79·0	79·1	78·9	79·1	79·8	80·1	80·0	79·9	79·9	80·0	81·9	81·3	83·1	83·8	82·6	79·0
31	83·1	82·0	82·4	81·0	80·0	79·5	78·9	80·0	79·6	79·6	80·4	80·0	80·7	80·4	81·3	82·3	83·6	83·8	82·6	82·3	82·4	84·0	83·9	83·1	81·5
Mean ..	78·2	78·2	78·3	78·2	78·0	78·1	**78·0**	**78·0**	78·1	78·4	78·9	79·1	79·3	**79·5**	79·3	79·0	78·7	78·6	78·6	78·6	78·4	78·6	78·6	78·5	78·5

29. Aberdeen : North Wall Screen on Tower: h_t = 12·5 metres. **February, 1923.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	83·4	84·1	84·0	83·4	82·9	82·4	83·0	82·5	82·6	83·0	83·6	84·7	85·3	85·5	85·6	85·0	85·7	85·1	84·6	83·6	83·2	83·5	83·7	84·1	**83·9**
2	83·9	82·6	83·2	82·5	81·5	80·6	80·2	79·4	79·3	79·5	80·4	81·0	81·1	81·7	81·1	80·8	79·8	79·1	78·4	77·9	77·9	78·1	78·8	79·1	80·4
3	79·4	79·3	79·2	79·7	79·9	79·0	78·6	79·0	80·5	81·0	81·0	82·0	82·0	82·8	82·0	79·9	79·1	78·8	78·3	78·2	78·1	78·0	77·6	77·3	79·7
4	77·2	77·1	77·0	76·0	75·9	75·9	76·2	76·4	76·4	76·9	78·0	79·0	79·8	80·0	79·8	79·4	78·0	77·5	77·3	77·0	77·1	77·4	77·6	77·9	77·5
5	77·4	77·3	77·6	78·0	78·1	78·3	78·9	79·3	79·4	80·1	80·4	81·2	81·4	81·0	80·5	80·2	80·0	80·0	80·0	79·7	79·9	79·7	79·9	80·0	79·5
6	80·1	80·2	80·1	80·1	80·0	80·0	79·6	79·6	79·2	79·0	78·9	78·6	78·2	78·3	78·4	78·4	78·1	78·0	78·0	77·9	77·5	77·6	77·3	76·9	78·8
7	77·2	77·5	77·9	77·9	76·6	76·3	76·0	77·4	77·9	78·4	78·7	79·0	78·1	77·9	78·6	79·1	79·1	79·1	79·1	79·0	79·3	79·3	79·3	80·0	78·2
8	79·9	79·7	79·7	79·7	79·9	80·5	80·6	80·5	80·3	80·5	80·5	80·5	79·0	77·9	77·9	78·0	78·2	78·4	78·1	78·0	77·8	77·9	77·7	77·8	79·2
9	77·3	76·0	75·8	75·9	75·3	75·4	75·7	76·9	76·9	77·6	78·2	79·0	79·5	79·5	79·2	79·0	78·3	78·1	77·9	78·9	79·1	79·2	79·1	79·1	77·8
10	79·1	79·1	79·1	79·1	79·0	79·0	79·0	78·9	78·7	78·4	78·2	78·1	78·0	78·1	78·1	78·2	78·4	78·5	78·5	78·5	78·7	78·9	78·9	79·1	78·7
11	79·2	79·2	79·0	79·1	78·9	78·5	78·5	78·4	78·3	78·2	78·0	78·1	78·3	78·3	78·1	78·1	78·1	78·4	78·3	78·6	78·6	78·5	78·7	78·5	78·5
12	78·8	78·6	78·9	78·8	79·1	79·5	79·6	79·4	79·1	78·8	79·2	79·2	79·7	79·5	79·9	79·3	78·7	78·5	78·5	78·3	78·1	78·3	78·7	78·8	79·0
13	78·5	78·6	78·4	78·2	78·3	78·1	78·0	78·0	77·8	78·0	77·7	77·6	77·4	77·2	76·9	76·6	76·6	76·6	76·5	76·4	76·2	76·3	76·1	76·2	77·4
14	76·2	76·1	76·0	76·0	75·7	75·7	76·0	76·1	75·3	75·3	75·4	75·1	75·7	75·4	75·5	75·4	75·5	75·1	75·3	75·1	75·4	74·5	74·9	75·2	75·5
15	75·4	75·5	75·0	75·4	75·8	76·0	76·2	76·3	76·4	76·5	76·6	76·6	76·3	76·4	76·6	76·8	76·7	76·8	76·7	76·9	76·9	76·9	76·9	76·8	76·3
16	76·8	76·9	76·3	76·1	76·0	75·9	75·7	76·2	76·2	76·1	76·3	76·2	76·1	76·1	76·4	76·6	76·8	76·9	76·9	77·0	76·4	76·1	76·1	76·0	76·4
17	76·0	75·9	75·7	75·8	75·8	75·8	75·9	75·9	75·6	75·6	75·3	75·2	75·4	75·4	75·3	75·2	75·1	75·3	75·1	75·1	75·0	75·0	74·9	75·0	75·5
18	75·0	75·1	75·0	75·1	75·2	75·3	75·4	75·6	75·5	75·4	75·5	75·4	75·4	75·4	75·2	75·3	75·4	75·3	75·5	75·6	75·6	75·6	75·6	75·6	75·4
19	75·6	75·6	75·6	75·5	75·4	75·7	75·6	75·7	75·7	75·8	76·1	75·9	75·9	76·1	75·7	75·4	75·5	75·5	75·3	75·2	75·3	75·5	75·4	75·3	75·6
20	75·3	75·2	75·2	75·2	75·2	75·3	75·3	75·4	74·8	75·0	74·6	74·4	74·1	74·4	74·3	74·9	74·8	75·1	75·1	75·0	74·9	73·6	73·7	74·4	74·8
21	74·2	74·5	74·4	74·3	73·7	74·7	74·9	75·0	74·4	74·3	74·2	73·4	73·7	73·6	74·2	74·7	74·8	75·1	75·2	75·2	75·2	75·1	75·0	74·9	**74·5**
22	75·0	75·1	75·3	75·4	75·6	75·6	75·0	75·4	75·8	75·6	75·4	75·3	75·9	76·3	76·2	76·1	76·0	76·1	76·0	76·0	76·0	75·9	76·0	76·0	75·7
23	75·8	75·0	74·7	74·5	74·4	74·3	74·2	74·0	74·6	75·0	76·2	77·0	77·2	77·9	77·6	77·6	77·7	77·9	78·0	77·8	77·7	77·6	77·2	77·1	76·3
24	77·4	77·4	77·6	77·4	77·3	77·5	77·7	78·0	78·0	78·2	78·6	78·1	78·5	78·1	77·9	77·6	77·7	77·7	77·1	77·1	77·0	77·3	77·3	77·5	77·7
25	77·3	76·4	76·9	77·1	76·9	77·0	77·0	76·7	76·4	76·4	76·4	76·7	76·4	76·5	76·4	76·2	76·0	75·8	75·8	75·9	76·0	75·9	75·8	75·9	76·4
26	76·7	77·6	78·0	77·9	78·1	78·1	78·1	78·2	78·3	78·2	78·1	78·0	78·0	77·9	77·8	77·6	77·5	77·3	77·1	77·5	77·9	78·1	78·2	78·2	77·8
27	78·1	78·4	78·6	78·8	78·6	78·4	78·4	78·3	78·4	78·1	78·0	78·4	79·0	78·9	78·9	78·8	78·8	78·9	78·9	78·7	78·6	78·7	78·8	78·8	78·6
28	78·8	78·8	78·9	78·8	78·8	78·6	78·3	78·3	78·3	78·2	78·2	78·1	78·2	78·1	77·9	77·7	77·2	77·0	77·1	77·0	77·0	76·9	76·4	76·5	77·9
Mean ..	77·7	77·6	77·6	77·6	77·4	77·4	77·4	77·5	77·5	77·6	77·8	77·9	78·0	**78·0**	77·9	77·8	77·6	77·6	77·5	77·4	77·4	**77·3**	77·3	77·4	77·6
G.M.T. ..	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

30. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **March, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	76·2	76·1	76·1	76·2	76·2	76·1	75·7	75·6	75·5	75·8	76·0	76·7	76·6	76·6	76·6	76·7	76·5	76·5	76·3	76·2	76·3	76·2	76·3	76·4	76·2
2	76·4	76·7	77·2	77·7	78·0	78·2	77·8	77·8	77·7	77·4	77·7	78·7	79·1	79·8	79·3	78·9	78·7	78·4	77·4	77·2	77·6	77·6	77·6	78·1	77·9
3	77·8	77·9	77·9	77·9	77·7	77·5	77·5	77·4	77·5	77·6	77·6	77·4	77·8	77·3	77·4	77·2	77·1	77·1	77·1	77·1	77·0	77·2	77·7	77·5	77·5
4	77·6	77·1	77·1	76·5	76·7	76·8	77·3	77·1	78·0	78·5	79·8	79·2	80·0	80·7	80·4	80·2	80·1	79·0	79·0	78·6	77·6	77·9	78·1	78·0	78·4
5	77·7	77·9	77·8	77·6	77·7	77·9	77·9	78·0	78·0	78·2	77·1	77·4	77·6	77·9	79·3	80·1	80·1	80·0	78·1	79·0	78·8	79·5	79·5	79·0	78·4
6	78·0	78·4	77·6	76·9	77·1	77·4	77·4	78·4	78·5	78·9	79·3	79·3	79·4	79·4	79·8	79·7	79·7	78·9	78·5	78·5	78·2	78·0	78·1	77·4	78·5
7	77·0	76·9	77·0	77·5	76·8	76·6	76·7	76·9	77·4	78·2	79·1	79·7	80·1	80·3	80·2	79·8	80·2	79·9	79·4	79·2	79·1	79·4	79·1	78·8	78·5
8	79·0	78·5	78·6	78·6	78·6	78·7	78·8	78·6	78·4	78·3	78·7	78·9	78·9	78·7	78·3	78·2	78·0	78·0	77·7	77·7	77·6	77·6	77·3	77·1	78·3
9	77·0	76·7	76·3	76·0	75·8	76·0	76·1	76·6	77·1	77·5	78·1	78·4	78·6	78·5	78·3	78·2	78·0	77·5	77·1	77·1	77·0	76·9	76·5	76·3	77·2
10	76·1	76·3	76·4	76·2	75·8	75·6	76·5	76·6	76·6	77·2	76·9	77·1	77·6	77·6	77·6	77·5	77·3	77·3	77·5	77·6	76·9	77·3	77·1	77·0	76·9
11	77·0	77·0	76·9	76·8	76·7	76·9	77·0	77·1	77·4	78·1	78·6	78·8	78·3	77·7	78·0	77·5	77·2	77·4	77·4	77·1	77·0	77·4	77·2	77·2	77·4
12	76·5	77·2	77·3	77·3	77·2	77·0	77·3	77·4	77·8	77·8	78·2	78·5	78·1	77·8	78·2	78·3	77·9	77·9	78·0	78·0	78·2	78·6	78·7	79·0	77·8
13	78·9	79·7	79·3	79·3	79·3	78·9	78·4	78·5	80·6	81·7	82·2	82·9	83·2	83·7	83·6	83·6	83·1	81·5	80·6	79·4	78·2	77·6	76·7	75·6	80·3
14	75·6	75·0	74·8	74·7	74·3	73·9	73·7	74·4	75·5	78·0	79·5	79·4	80·0	79·9	80·0	79·8	79·2	78·6	78·2	78·0	77·2	76·3	76·2	76·2	77·0
15	76·2	76·2	76·2	76·2	76·0	76·1	76·8	77·8	78·0	78·2	78·0	78·0	77·3	77·8	78·1	77·8	77·9	77·6	77·2	77·4	77·4	77·2	76·9	76·9	77·2
16	76·7	76·6	76·6	76·6	76·6	76·6	76·6	77·0	77·3	77·7	78·4	79·2	79·5	79·4	79·3	79·2	79·1	79·0	78·6	78·2	78·3	77·8	77·2	75·8	77·8
17	74·3	73·9	73·6	73·8	74·4	76·0	76·7	77·3	78·6	79·0	79·6	79·8	79·4	79·4	79·3	79·4	79·1	78·5	76·9	76·2	76·0	75·9	76·1	76·3	77·1
18	76·4	76·6	76·6	76·7	76·4	76·2	76·1	76·6	77·2	78·5	78·9	78·9	79·3	79·2	79·5	79·1	78·6	78·1	77·4	77·1	76·9	76·4	76·1	75·9	77·5
19	75·7	74·7	74·3	73·5	73·8	74·1	74·2	73·9	74·4	76·0	77·0	77·2	78·0	78·3	78·1	77·4	77·4	76·8	76·3	76·4	76·3	76·6	76·8	77·0	76·0
20	77·1	77·1	77·0	76·3	76·0	76·0	76·2	77·1	77·7	78·0	78·0	77·8	78·3	79·0	79·4	79·3	79·2	79·0	78·7	78·8	78·1	78·0	78·4	77·9	77·8
21	77·6	77·1	76·3	75·7	74·4	74·0	73·3	74·1	76·0	78·8	79·5	80·0	80·1	80·0	80·0	79·8	79·5	79·0	78·7	78·4	78·0	76·2	74·6	74·5	77·4
22	74·6	74·2	74·7	75·0	75·0	74·7	74·3	74·5	75·0	76·0	78·9	79·6	80·1	79·8	79·5	79·3	79·0	78·6	78·5	78·3	78·3	77·9	77·5	77·4	77·1
23	77·6	77·6	77·5	77·5	77·7	77·8	77·9	77·8	77·9	78·1	78·4	79·0	79·2	79·6	79·1	79·1	79·1	79·1	79·0	79·0	78·9	78·8	78·5	78·5	78·4
24	78·2	78·2	78·0	78·0	78·0	78·0	78·0	77·9	78·0	78·0	78·3	79·3	79·6	79·4	78·9	79·2	79·2	79·0	78·8	78·6	78·5	78·2	77·9	77·4	78·5
25	77·1	76·6	76·0	75·1	74·6	74·4	75·1	76·9	78·2	80·3	81·9	82·9	82·7	82·4	82·5	82·4	81·7	81·0	80·3	80·9	80·2	80·9	80·1	80·1	79·3
26	79·6	79·0	79·0	78·0	77·0	76·9	78·1	79·1	80·3	81·4	81·1	82·9	81·8	81·5	81·8	81·4	80·9	80·4	80·2	79·9	79·6	79·6	79·4	79·9	80·0
27	79·8	79·4	79·4	79·4	79·4	79·0	79·1	79·6	80·1	80·7	81·0	80·5	81·4	82·6	83·5	83·2	82·6	82·0	81·4	80·9	80·6	80·9	81·0	80·6	80·7
28	80·9	81·1	81·1	81·0	80·6	80·5	80·6	80·5	81·0	80·5	81·4	81·7	81·7	81·4	81·2	80·7	80·6	80·1	79·7	79·4	79·6	79·7	79·8	80·0	80·6
29	80·0	79·9	79·9	79·6	79·5	79·2	79·0	79·4	79·6	81·0	82·4	83·0	81·8	82·6	83·1	83·4	83·1	82·4	81·2	80·8	79·5	79·6	79·0	78·8	**80·8**
30	78·6	78·6	78·6	78·9	78·8	78·9	78·6	78·6	78·5	78·4	78·6	78·7	78·7	78·5	78·5	78·7	78·6	78·5	78·4	78·4	78·2	78·1	78·0	78·0	78·5
31	78·0	77·7	77·6	77·6	77·5	77·4	77·4	77·7	77·8	78·0	77·9	78·0	78·2	78·3	78·3	77·9	77·9	77·8	77·6	77·5	77·9	78·0	78·5	78·8	77·9
Mean ..	77·4	77·3	77·2	77·0	76·9	**76·9**	77·0	77·3	77·8	78·4	79·0	79·3	79·4	79·5	**79·6**	79·5	79·2	78·9	78·4	78·3	78·0	78·0	77·8	77·7	78·2

31. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **April, 1923.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	78·5	78·3	78·0	78·0	78·0	78·0	78·0	78·1	78·4	78·7	78·2	78·1	78·0	78·0	78·1	78·2	78·0	78·0	77·9	78·1	78·3	78·3	78·5	78·6	78·2
2	78·6	78·6	78·6	78·6	78·6	78·6	78·8	79·0	79·0	79·1	79·1	79·1	79·2	79·3	79·2	78·9	78·7	78·6	78·4	78·4	78·4	78·4	78·5	78·6	78·8
3	78·6	78·7	78·7	78·6	78·5	78·6	78·4	78·5	78·6	78·8	78·9	79·7	79·5	79·0	79·1	79·3	79·3	78·9	78·7	78·9	78·9	78·7	78·5	78·5	78·8
4	78·8	78·9	78·9	78·7	78·5	78·8	79·0	79·9	80·1	80·2	81·0	81·0	81·1	81·0	80·3	80·1	80·0	80·0	79·7	79·5	79·4	79·3	79·1	78·8	79·7
5	78·6	78·6	78·7	78·7	78·6	78·9	79·2	79·2	79·4	79·4	80·0	80·1	80·0	80·2	80·0	79·6	79·2	78·9	78·6	78·4	78·3	78·1	78·0	78·0	79·0
6	78·0	78·1	78·1	78·3	78·1	78·0	78·0	78·0	77·6	77·1	77·0	77·2	77·5	77·6	77·9	77·8	77·9	77·9	76·4	77·0	77·3	77·1	77·0	76·6	77·6
7	76·9	77·1	77·1	77·4	77·7	77·9	77·3	78·0	78·0	78·0	78·1	78·1	78·4	78·7	78·8	78·9	78·8	78·7	78·7	78·8	78·9	78·8	78·6	78·6	78·1
8	78·4	78·2	78·2	78·0	78·0	78·0	78·0	78·0	78·1	78·2	78·6	78·9	78·8	78·9	78·6	78·2	77·9	77·5	77·2	77·1	76·9	76·9	76·6	76·5	77·9
9	76·3	76·5	76·5	76·6	76·6	76·9	77·0	77·1	77·8	78·1	78·8	78·6	78·4	78·4	78·2	77·9	77·9	77·5	77·1	76·9	77·0	77·4	77·9	78·0	77·4
10	78·2	78·0	78·0	78·3	78·7	78·9	77·9	77·0	77·1	77·5	77·6	77·9	79·2	79·2	79·8	79·3	79·0	78·5	78·2	78·1	78·0	78·2	78·3	78·1	78·3
11	78·0	77·9	78·0	78·0	78·0	78·1	78·1	77·6	77·3	77·4	77·6	78·0	78·3	78·5	78·6	78·6	78·6	78·7	78·6	78·6	78·7	78·6	78·6	78·6	78·2
12	78·6	78·5	78·2	78·4	78·1	78·4	78·6	78·9	79·0	79·1	79·2	79·3	79·3	79·6	79·9	79·6	79·4	79·3	79·1	79·0	78·9	78·8	78·8	78·9	78·9
13	78·9	79·0	79·0	79·4	79·6	79·6	79·7	80·0	80·3	82·0	82·4	83·6	83·5	82·6	82·1	81·0	81·1	80·9	79·9	79·3	79·5	79·0	79·6	79·6	**80·5**
14	79·7	79·5	79·3	79·2	79·2	79·3	79·5	79·5	79·5	79·7	80·2	80·7	80·9	80·5	80·5	80·7	80·4	80·0	79·6	79·6	79·4	79·0	78·9	79·0	79·8
15	79·0	79·0	79·0	79·0	78·6	78·5	78·1	78·1	78·1	78·2	78·7	78·7	78·4	78·3	78·3	78·3	78·0	77·8	77·9	77·8	77·8	77·8	77·9	77·9	78·3
16	77·9	77·9	77·9	77·9	78·0	78·1	78·4	78·5	78·9	79·1	79·8	79·3	79·6	79·7	80·0	79·6	79·3	79·2	79·1	79·1	79·1	79·1	79·1	79·1	78·9
17	79·0	78·9	78·6	78·4	77·6	77·8	78·6	79·4	79·7	79·7	80·0	80·1	80·8	80·6	80·7	80·1	79·6	79·3	78·6	78·0	77·8	77·7	77·4	77·3	79·0
18	77·1	77·0	76·9	77·0	77·2	78·4	78·5	78·5	79·0	79·4	79·3	79·0	79·4	79·6	79·5	79·5	78·9	78·4	78·0	77·6	77·5	77·4	77·3	77·3	78·2
19	77·6	77·8	78·0	78·0	77·9	78·0	78·3	78·1	78·5	78·6	79·6	79·6	79·1	79·5	79·3	79·4	78·9	78·6	78·0	78·0	78·0	78·0	77·8	78·1	78·4
20	77·0	77·9	77·4	77·4	77·4	77·2	77·7	78·8	79·3	80·1	80·2	79·4	79·1	79·3	78·9	77·4	78·3	78·0	77·4	77·3	77·2	77·1	77·0	77·1	78·1
21	76·9	76·9	76·5	76·3	76·3	76·6	77·1	78·2	78·5	78·5	79·4	79·4	79·7	79·9	79·0	78·6	78·5	78·2	78·1	77·8	76·5	76·5	76·0	75·1	77·7
22	76·0	76·5	76·6	75·8	75·5	76·2	77·2	77·6	77·7	78·6	79·2	78·6	79·3	79·8	80·0	80·0	78·8	78·6	78·4	77·9	77·6	77·1	77·0	76·8	77·7
23	76·4	76·3	76·5	76·3	75·6	75·9	76·8	76·0	76·3	77·1	75·8	78·6	76·1	78·0	78·7	78·0	77·0	77·8	76·5	74·7	75·0	74·7	74·3	74·2	**76·4**
24	74·1	73·7	73·3	73·3	73·2	74·2	75·0	75·8	76·9	77·1	76·6	79·3	79·8	79·8	80·0	80·0	78·5	78·7	78·1	78·0	78·0	78·0	77·2	77·0	76·8
25	77·0	76·1	75·9	76·1	76·1	76·2	76·2	76·8	78·0	79·5	81·4	83·1	83·0	83·9	84·7	84·6	84·0	83·3	82·5	81·6	81·2	80·7	80·3	80·0	80·0
26	79·9	79·6	79·6	79·4	79·3	79·2	79·4	80·1	80·1	80·7	81·0	80·9	80·4	80·6	80·2	80·7	78·3	77·2	77·0	77·2	76·8	76·5	76·7	76·0	79·1
27	75·9	76·0	75·9	75·1	74·9	75·9	76·3	77·6	78·4	78·7	79·4	80·7	81·0	82·0	81·5	81·6	79·4	79·0	77·2	77·0	76·8	75·9	75·4	75·0	77·8
28	74·4	73·8	73·6	73·7	73·2	75·7	78·1	78·8	79·8	80·0	80·5	81·2	81·7	81·0	81·0	81·1	80·7	80·0	79·9	78·1	77·5	76·4	76·1	75·9	78·0
29	75·4	75·7	76·0	75·9	75·8	77·3	79·2	79·8	80·9	82·3	82·4	83·6	83·0	82·8	82·1	81·4	82·1	81·0	81·4	80·1	80·2	79·9	79·5	79·5	79·8
30	79·4	79·7	79·0	78·8	78·7	78·5	79·0	79·2	79·2	79·6	79·8	80·2	80·6	80·8	80·6	80·7	80·4	80·6	80·5	81·0	82·7	82·2	81·6	81·1	80·1
Mean ..	77·6	77·6	77·5	77·5	**77·4**	77·7	78·0	78·3	78·7	79·0	79·3	79·7	79·8	**79·9**	79·9	79·6	79·2	79·0	78·6	78·3	78·3	77·7	77·9	77·8	78·5
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

32. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **May, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	80·4	80·5	79·2	78·9	78·8	78·9	79·5	79·8	80·0	80·6	81·0	80·9	80·8	80·9	80·3	80·6	80·4	80·3	80·0	79·8	79·6	79·6	80·0	79·7	80·1
2	79·2	78·5	78·1	78·3	78·5	80·1	80·7	78·6	78·4	78·9	79·3	79·7	80·0	80·1	80·1	80·0	80·5	80·4	79·6	79·0	78·5	78·0	77·4	77·2	79·2
3	77·0	77·0	76·7	76·9	77·1	77·9	78·9	80·6	82·0	84·3	84·2	85·8	86·0	87·3	86·4	87·1	87·6	87·7	86·2	86·0	85·4	84·1	84·0	84·0	82·8
4	83·0	83·4	82·8	81·6	82·0	83·0	84·7	85·2	85·6	86·0	86·8	86·2	85·2	89·0	91·8	91·2	90·1	89·2	87·9	86·9	85·6	84·9	84·4	84·0	**85·9**
5	84·1	83·8	82·8	83·1	83·1	83·6	85·0	85·5	86·1	87·0	88·1	88·9	88·0	87·7	88·8	88·2	87·3	86·6	86·0	84·9	85·0	84·7	84·2	83·4	85·7
6	82·7	82·6	83·0	83·1	83·1	83·4	84·1	85·1	85·6	85·7	85·7	85·9	86·7	87·0	87·1	86·4	86·3	86·3	84·1	82·5	81·2	80·0	79·3	78·8	84·1
7	78·0	77·3	77·0	76·9	78·1	79·3	81·0	81·7	82·6	83·5	85·0	85·6	86·1	85·7	85·1	84·1	84·4	84·7	83·6	83·0	82·2	81·6	81·0	80·4	82·0
8	80·1	79·5	78·8	78·8	79·3	81·0	82·0	83·0	83·6	84·6	84·0	85·6	85·3	83·4	82·2	80·8	81·2	82·0	81·6	80·5	79·1	78·8	77·4	77·0	81·3
9	78·1	78·0	78·4	77·6	78·1	79·6	81·0	80·9	81·5	82·1	82·8	80·9	80·7	79·2	78·5	76·3	77·3	77·6	77·1	75·9	76·7	76·5	75·4	74·3	78·6
10	74·4	74·1	74·0	74·1	73·8	75·5	76·3	77·6	78·6	79·4	79·9	79·5	79·8	76·9	77·6	78·0	78·3	78·1	78·3	77·8	77·0	76·8	76·1	76·0	77·0
11	75·5	74·6	74·6	75·0	75·1	77·0	77·4	77·7	76·7	76·1	75·1	75·6	75·0	75·6	75·1	74·9	75·0	75·0	74·8	75·0	75·1	75·5	75·9	75·9	**75·6**
12	75·6	75·9	75·8	75·9	76·0	75·6	76·0	76·5	77·0	77·9	78·4	78·5	78·4	78·6	79·0	78·1	77·9	77·9	78·0	77·9	77·6	77·1	77·0	76·6	77·2
13	76·6	76·6	76·4	76·8	76·5	76·9	77·9	78·3	79·5	78·5	79·6	81·0	79·4	80·6	79·6	80·9	81·1	80·1	79·4	78·4	78·4	77·9	77·0	76·5	78·5
14	76·4	76·5	76·1	75·7	76·0	77·4	78·4	78·7	79·2	80·2	81·3	81·1	81·1	80·0	81·1	80·6	80·6	80·0	80·0	79·7	79·0	78·2	78·1	78·1	78·9
15	77·9	78·0	79·1	79·1	78·8	79·0	79·1	79·0	79·1	79·5	80·2	80·9	81·2	80·9	80·8	80·0	79·8	78·7	78·5	76·9	75·9	75·9	76·0	77·0	78·8
16	76·5	76·6	76·5	76·2	76·5	76·2	76·9	77·7	77·8	77·0	76·6	77·8	79·0	80·7	80·8	80·8	80·0	78·1	76·4	77·0	77·1	77·1	76·9	76·6	77·6
17	76·3	76·0	76·3	76·5	75·7	76·6	77·2	77·4	76·1	75·7	76·9	78·4	78·8	78·9	79·4	79·7	79·1	79·6	79·5	79·0	78·2	77·8	77·1	76·8	77·6
18	76·7	76·3	76·0	76·0	76·5	77·2	78·6	79·1	79·6	79·8	80·0	80·1	79·9	80·2	80·0	79·2	79·8	79·6	79·9	79·5	79·8	79·6	79·5	79·4	78·8
19	79·5	79·5	79·9	79·9	80·0	80·6	82·4	82·8	83·3	84·6	84·0	84·6	84·5	85·0	82·6	82·4	82·7	82·2	82·6	82·2	81·9	81·9	81·2	81·0	82·1
20	81·0	81·1	80·9	80·9	81·0	81·4	81·9	82·2	82·9	83·3	83·0	83·1	82·7	83·1	83·7	83·9	85·0	85·0	85·0	83·7	81·6	80·6	80·8	80·3	82·4
21	80·0	79·6	79·4	79·2	79·9	80·6	81·4	81·4	82·0	81·8	81·6	82·0	83·1	84·0	84·6	83·6	84·3	83·7	81·7	80·3	79·6	79·0	78·6	78·1	81·3
22	77·7	77·1	77·3	77·6	77·9	78·7	78·9	79·3	79·0	79·2	79·9	80·5	81·1	81·0	81·1	80·8	80·9	80·3	80·3	79·1	78·1	77·6	76·2	75·1	79·0
23	74·4	75·0	74·9	75·3	76·6	78·2	78·3	78·6	78·1	78·9	80·6	81·2	81·9	82·2	82·1	81·4	81·4	81·5	81·0	80·0	78·6	78·0	78·1	78·0	78·9
24	77·1	76·6	76·9	76·0	77·4	78·6	80·4	81·8	83·3	84·3	85·1	84·4	83·9	84·4	85·0	85·2	84·9	84·0	84·2	83·0	80·9	80·9	80·0	79·7	81·5
25	79·2	79·2	78·9	78·3	78·9	79·5	80·2	79·5	79·4	81·0	81·1	79·6	79·8	78·8	79·0	78·1	78·2	77·5	77·8	78·1	78·7	79·1	79·1	78·9	79·1
26	78·5	78·9	78·9	78·9	78·9	78·3	78·4	78·7	81·1	80·1	80·4	81·0	80·8	81·1	80·4	80·1	80·2	79·7	79·6	80·0	79·9	79·1	79·3	79·9	79·7
27	80·0	79·9	79·9	80·0	80·4	80·8	81·9	81·7	81·2	81·7	82·2	82·5	81·1	82·0	82·2	82·3	82·1	81·6	80·9	80·4	80·3	79·2	79·3	79·3	81·0
28	79·2	79·0	79·0	79·0	79·2	79·5	79·9	80·3	80·3	80·9	81·8	81·3	81·5	81·6	81·6	82·1	81·6	81·7	80·5	79·6	79·7	79·1	78·6	77·9	80·2
29	77·9	77·6	77·9	78·8	79·1	79·4	79·7	80·0	80·4	81·5	82·9	82·6	82·5	82·8	83·0	83·4	83·1	82·9	82·4	82·0	81·4	81·0	80·9	80·0	80·9
30	80·0	80·0	80·0	79·4	79·3	79·6	80·7	81·2	81·1	81·4	81·0	80·8	79·9	80·0	79·4	79·9	79·6	79·5	80·0	79·9	79·5	79·3	79·1	79·2	80·0
31	79·5	79·8	79·3	79·1	79·6	80·1	80·9	81·5	81·4	82·4	81·9	81·7	82·1	82·0	82·0	81·6	81·9	82·0	81·9	81·4	80·9	80·2	79·1	78·3	80·9
Mean ..	78·5	78·3	78·2	**78·2**	78·4	79·1	80·0	80·4	80·7	81·2	81·6	81·9	81·8	**82·0**	81·9	81·7	81·7	81·4	80·9	80·3	79·8	79·3	78·9	78·6	80·2

33. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **June, 1923.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	Mean
1	79·0	79·9	80·1	80·4	80·7	81·4	82·1	83·1	84·9	86·0	86·6	86·5	86·4	86·7	86·0	85·0	85·4	84·3	82·7	81·1	80·7	80·1	80·6	81·1	82·9
2	80·8	80·7	80·5	80·4	80·4	80·7	81·2	82·1	82·7	84·4	85·0	86·0	87·5	87·5	88·8	90·2	91·9	85·4	83·9	87·3	86·3	84·9	83·9	83·6	84·4
3	83·9	83·6	83·2	83·1	83·1	83·4	83·6	83·6	83·1	83·9	84·1	83·4	83·4	84·4	83·0	82·7	82·4	80·9	80·3	79·4	79·1	78·9	78·8	78·2	82·3
4	78·6	79·1	79·2	79·2	79·4	79·5	79·8	79·9	80·8	81·0	81·4	81·4	82·0	81·8	82·2	81·7	82·2	81·3	81·0	80·2	79·9	79·2	79·2	79·4	80·4
5	79·2	79·2	79·6	79·7	79·4	80·7	82·4	83·1	83·7	83·8	84·1	84·6	84·4	83·6	83·7	82·7	82·2	82·9	83·0	81·7	80·1	80·2	79·5	78·9	81·8
6	78·4	78·0	77·3	77·0	78·6	79·6	80·0	80·4	80·9	81·6	81·6	82·3	82·9	83·4	83·9	84·0	81·1	81·2	81·3	81·0	80·1	79·9	79·4	79·1	80·5
7	79·0	79·0	78·7	78·3	80·2	83·0	83·6	84·4	85·3	86·3	88·0	88·2	88·0	90·7	91·1	91·2	91·7	91·0	89·4	88·2	87·1	86·1	85·6	85·1	85·7
8	85·1	84·4	85·0	84·4	83·9	84·7	84·7	84·4	84·8	85·0	85·4	86·5	86·1	86·4	87·4	88·0	89·4	88·8	87·4	87·0	86·0	85·6	84·9	84·6	85·8
9	84·3	84·5	84·4	84·1	84·4	86·1	86·4	86·9	88·3	88·2	90·2	89·6	89·7	89·4	89·1	88·4	87·7	87·2	86·7	86·6	84·5	84·5	83·7	84·4	86·6
10	85·3	87·4	87·6	86·9	85·4	86·7	86·4	87·0	86·9	87·2	87·8	87·9	88·5	88·2	87·6	87·1	87·1	86·4	85·4	84·8	84·0	82·8	82·4	81·8	86·2
11	81·3	80·9	80·9	81·0	80·5	80·4	80·8	81·7	82·2	83·0	83·2	84·6	85·5	85·2	86·2	83·9	85·3	84·4	83·9	84·0	83·0	82·0	82·0	81·6	82·8
12	81·1	81·3	81·2	81·6	81·7	82·9	83·1	83·0	82·9	82·8	83·8	83·1	85·8	88·0	89·0	90·1	89·0	90·1	89·6	89·2	87·9	87·9	87·4	86·9	85·3
13	87·4	87·0	87·2	86·9	86·2	87·2	86·1	86·0	86·0	86·4	86·2	86·1	85·9	85·1	85·7	86·1	84·5	84·1	83·2	82·9	82·4	81·7	81·7	81·5	85·3
14	81·2	80·6	80·0	79·8	80·1	80·2	80·6	80·0	79·8	81·0	81·3	82·0	82·1	83·0	82·6	82·7	83·1	82·9	82·0	81·0	80·0	79·4	78·9	78·4	81·0
15	78·2	77·1	76·7	76·4	77·2	79·7	80·1	81·9	81·2	81·9	82·0	83·0	82·7	82·8	82·0	81·5	80·9	80·6	80·2	80·2	80·1	80·0	79·9	79·2	**80·2**
16	77·9	77·2	77·0	77·9	78·2	79·7	80·4	81·2	81·3	81·6	82·0	82·9	83·0	83·5	83·2	83·0	82·5	82·4	82·0	81·6	80·4	80·6	80·1	79·4	80·8
17	79·4	79·4	79·1	79·1	79·0	79·6	80·8	81·4	81·5	82·1	83·1	83·6	82·9	82·7	83·0	82·2	82·2	81·8	81·7	81·5	81·3	81·2	81·6	81·8	81·3
18	81·6	81·9	82·0	82·1	82·8	83·6	85·1	86·2	88·0	88·8	88·9	89·0	89·9	89·6	90·6	90·2	89·1	88·9	87·3	88·4	85·9	84·4	84·0	83·4	86·3
19	83·4	83·8	83·9	83·4	83·7	84·1	85·1	85·1	85·3	85·8	86·1	86·8	85·7	86·4	84·6	85·4	85·6	85·2	84·3	83·0	82·4	81·5	81·6	80·4	84·3
20	80·4	80·5	80·6	80·7	80·8	81·0	81·5	82·0	82·2	81·9	83·3	85·0	86·3	86·6	86·3	86·4	85·8	85·7	85·7	84·6	84·1	83·9	85·0	86·2	83·5
21	87·2	86·7	85·6	85·4	87·0	87·6	87·8	87·7	87·3	88·2	89·1	89·0	89·4	90·0	89·6	89·5	88·6	88·0	87·2	86·7	86·4	86·5	86·2	86·0	87·6
22	86·4	86·2	86·5	86·1	86·4	86·9	86·9	88·4	89·5	90·0	91·0	91·4	91·9	91·0	90·2	89·9	88·9	88·3	88·0	88·0	87·9	87·8	87·7	87·7	88·4
23	87·7	87·9	87·5	88·2	89·2	90·2	91·1	92·2	93·1	93·0	93·6	93·9	93·2	94·4	93·4	93·2	93·0	92·2	91·4	90·5	89·9	89·6	89·1	89·2	**91·1**
24	88·5	88·7	88·2	87·6	87·1	82·8	81·9	81·8	81·7	82·0	81·6	81·2	81·3	81·0	81·0	80·8	81·2	81·5	82·0	82·8	81·4	80·8	80·5	80·2	83·0
25	79·9	79·9	80·2	79·8	80·9	81·0	81·5	81·6	83·0	83·8	84·4	84·6	85·4	85·6	85·4	85·6	84·7	84·0	83·2	82·6	81·9	81·2	80·4	79·4	82·5
26	78·4	77·6	78·0	78·8	80·8	82·5	83·4	83·5	83·8	84·9	85·4	86·1	86·5	86·6	86·6	86·9	87·2	86·9	85·3	84·4	83·4	83·0	82·9	82·7	83·5
27	83·1	82·8	82·9	82·9	82·9	83·8	84·4	85·5	85·1	86·0	85·9	86·1	85·3	84·1	84·8	84·1	85·7	84·6	84·5	84·4	84·1	83·9	83·9	84·1	84·3
28	84·0	84·0	84·1	84·2	84·7	85·6	87·4	86·0	87·3	88·9	89·8	90·6	91·4	89·3	88·2	88·9	89·0	89·8	87·6	87·0	86·3	85·6	85·2	85·1	87·1
29	85·0	84·9	84·7	84·4	84·1	84·9	85·5	85·8	86·0	86·4	86·4	86·5	87·8	88·2	88·5	87·4	87·4	87·2	87·1	85·6	85·7	85·2	85·1	84·8	86·0
30	83·5	83·6	83·4	83·9	84·5	83·5	84·8	85·5	85·4	85·0	84·6	86·1	86·8	86·7	85·9	84·2	84·9	84·8	85·1	84·6	83·8	83·4	83·1	82·7	84·6
Mean ..	82·3	82·3	82·2	**82·1**	82·4	83·1	83·6	84·0	84·5	85·0	85·5	85·9	86·3	**86·4**	86·3	86·1	86·0	85·4	84·7	84·3	83·5	83·1	82·8	82·6	84·2
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

34. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **July, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	82·9	82·6	82·4	82·6	82·9	83·2	83·5	83·5	84·8	84·8	85·1	86·2	84·3	85·0	85·1	84·4	84·4	84·6	84·1	84·0	83·8	83·7	83·6	83·5	83·9
2	83·5	83·4	83·0	82·7	83·1	83·7	85·5	87·5	88·6	90·0	91·5	92·9	93·5	91·7	89·2	90·1	89·2	89·8	88·6	87·8	87·0	86·4	87·7	86·4	87·6
3	86·4	85·6	86·1	85·6	85·8	85·9	86·4	88·0	89·4	89·4	88·9	89·7	91·0	93·9	93·5	93·9	94·0	93·0	92·4	88·1	87·5	87·2	86·5	86·0	88·9
4	85·5	84·7	83·4	83·7	86·8	88·4	87·2	88·1	89·5	89·3	90·0	89·7	91·1	90·3	90·7	89·0	89·0	90·7	90·6	89·2	88·6	88·0	87·3	86·2	88·2
5	85·4	85·7	86·0	86·1	86·3	87·3	87·7	89·9	90·1	91·3	90·4	91·1	91·0	90·2	90·8	91·6	91·2	91·1	89·9	89·5	89·4	86·6	86·9	86·2	88·8
6	86·1	86·0	86·0	86·0	86·5	88·0	86·7	89·0	88·3	89·0	89·0	90·0	90·2	88·6	87·5	87·2	88·4	88·8	87·8	87·5	87·0	86·4	86·2	86·1	87·6
7	86·0	85·6	85·1	85·3	86·0	86·6	87·6	87·7	88·5	88·2	88·6	88·5	87·7	88·4	89·9	88·4	89·4	87·2	88·5	87·4	88·0	87·6	86·7	87·0	87·5
8	88·0	88·7	89·0	87·3	86·5	87·4	88·0	86·6	88·5	88·5	88·0	87·9	90·9	89·2	87·8	91·1	93·7	91·2	90·1	89·1	87·9	87·4	87·2	86·5	88·6
9	86·2	85·7	85·7	85·3	87·0	86·0	86·9	88·0	88·6	89·1	90·4	90·9	91·7	92·9	90·7	91·7	91·2	90·4	88·3	88·8	87·7	86·8	86·2	85·9	88·4
10	86·2	86·7	86·1	86·1	86·2	86·9	87·9	88·1	89·0	89·7	89·0	88·1	89·0	88·6	88·2	88·6	88·7	87·4	86·5	86·9	87·4	86·9	86·4	85·9	87·5
11	85·9	86·0	85·7	86·0	86·1	86·6	87·1	87·4	87·6	87·9	88·9	90·0	91·8	88·5	87·7	88·7	88·3	88·2	87·8	87·8	87·8	87·3	87·1	86·5	87·6
12	86·0	85·7	85·7	86·1	87·5	89·3	90·9	93·9	94·8	94·3	95·1	95·3	95·9	98·0	99·1	95·6	93·0	90·4	90·4	90·0	88·0	88·1	88·4	88·0	**91·2**
13	88·1	87·2	86·5	86·4	86·9	88·0	88·4	88·6	88·8	88·9	89·1	88·8	88·9	87·7	87·2	87·1	87·0	86·6	86·3	86·3	86·5	86·1	86·0	85·4	87·4
14	85·1	85·0	84·7	85·4	85·8	86·0	86·8	87·0	87·9	88·2	88·2	88·0	88·2	88·8	89·1	88·8	88·9	88·4	88·0	87·2	86·9	86·7	86·4	86·3	87·1
15	86·1	86·2	86·2	86·2	86·4	87·1	87·6	87·9	88·4	87·9	88·4	88·0	88·4	88·9	90·1	90·9	91·2	90·4	90·6	90·2	89·7	89·1	88·9	88·5	88·4
16	88·2	87·7	87·5	87·1	87·6	88·5	89·2	90·1	90·4	90·1	89·4	90·1	89·4	88·0	87·7	88·1	88·0	91·2	90·3	89·2	87·9	86·9	86·1	85·3	88·6
17	84·9	84·2	84·0	83·6	84·4	86·6	86·7	87·0	87·9	89·1	88·6	90·4	89·9	90·0	90·9	91·0	90·1	91·2	88·8	87·9	86·4	85·6	85·1	84·0	87·5
18	83·4	83·8	84·1	84·0	84·1	86·6	85·9	86·9	87·4	87·9	89·0	89·6	87·0	87·3	86·8	86·4	86·3	86·3	86·0	85·2	85·0	85·1	84·9	84·6	86·0
19	84·4	84·3	84·4	83·3	83·6	84·0	84·4	84·9	84·9	85·6	85·9	87·0	86·4	87·2	88·7	90·0	89·0	94·0	94·0	91·9	90·6	89·1	88·3	87·9	87·2
20	87·7	88·1	88·6	88·4	89·0	89·3	90·2	89·8	90·0	90·1	91·1	91·7	92·4	93·1	92·6	93·0	92·1	90·6	90·0	88·7	88·2	87·8	87·4	87·1	89·9
21	86·8	87·1	86·9	85·8	86·9	87·6	89·6	89·9	90·6	90·4	92·5	92·4	92·2	91·9	91·8	91·4	90·6	90·1	89·7	89·3	89·0	88·7	88·4	88·1	89·5
22	87·8	87·5	87·2	86·9	87·2	87·5	87·8	88·1	88·4	89·0	90·9	93·6	94·5	94·1	93·7	93·1	93·2	91·8	91·0	91·0	90·0	90·0	89·2	89·3	90·1
23	88·7	88·3	88·0	88·0	89·0	89·0	90·9	91·2	90·3	90·2	90·3	90·1	89·8	89·0	90·0	89·6	88·1	88·1	86·5	85·8	85·6	85·3	84·9	84·5	88·5
24	84·2	84·0	84·1	84·0	84·2	84·7	85·1	85·9	86·7	86·6	87·6	88·1	88·0	88·0	88·6	88·1	87·7	87·1	85·3	85·3	85·1	84·9	84·6	84·4	85·9
25	84·7	84·1	83·9	84·0	84·2	84·8	86·0	88·1	89·3	90·5	91·0	91·4	90·6	90·3	90·3	91·1	89·4	89·1	89·0	87·0	85·6	85·2	85·1	85·0	87·5
26	84·6	84·0	83·9	83·6	83·6	84·7	85·4	85·9	86·4	86·1	87·2	85·9	83·7	84·2	84·4	85·2	87·0	86·3	86·1	85·1	84·7	84·3	84·1	83·5	85·0
27	83·1	82·3	82·4	82·6	82·6	83·6	84·9	85·3	86·3	86·6	87·0	87·9	85·9	85·5	85·4	85·1	85·2	84·5	84·2	84·1	84·1	84·1	84·1	84·1	84·6
28	84·2	84·2	84·2	84·2	84·0	83·9	83·8	83·9	84·0	84·0	84·1	84·0	84·0	84·3	84·2	84·0	84·0	83·9	83·6	83·6	83·4	83·4	83·4	83·4	83·9
29	83·2	83·2	83·2	83·2	83·2	83·6	83·8	83·9	84·2	84·1	84·1	84·2	84·1	83·6	83·1	82·9	82·9	83·4	83·8	83·9	84·0	84·1	83·9	83·7	**83·6**
30	83·7	83·6	83·7	83·7	84·0	84·0	84·2	85·0	86·1	86·4	87·0	87·6	87·1	86·5	86·8	87·5	86·9	85·9	85·2	85·3	84·5	84·4	84·1	84·1	85·3
31	84·1	83·5	83·5	83·8	84·0	84·1	84·3	84·5	84·9	85·1	85·9	86·2	86·3	85·8	85·8	85·4	85·8	85·8	85·3	85·0	85·2	85·0	85·1	85·0	85·0
Mean ..	85·5	85·3	85·2	**85·1**	85·5	86·2	86·8	87·5	88·1	88·3	88·8	**89·2**	89·2	89·0	88·9	89·0	88·8	88·6	88·0	87·4	86·9	86·4	86·1	85·8	87·3

35. Aberdeen : North Wall Screen on Tower: h_t = 12·5 metres. **August, 1923.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·9	84·6	84·6	84·4	84·2	84·6	85·1	85·3	86·2	87·1	87·6	88·2	88·3	86·9	85·9	86·9	88·2	88·1	88·1	87·0	86·0	85·1	84·7	84·7	86·1
2	84·9	83·4	82·1	82·2	82·1	84·6	85·0	85·9	85·5	85·8	86·0	85·9	85·4	86·0	86·5	85·7	85·4	85·1	85·4	85·1	85·7	85·7	85·3	85·0	85·0
3	85·1	85·3	85·4	85·9	86·0	86·4	86·9	87·8	88·1	88·1	87·4	88·0	87·9	88·1	87·9	87·6	87·4	86·7	87·2	86·0	85·4	85·2	84·9	85·0	86·7
4	85·1	84·9	84·6	84·8	85·1	85·7	87·0	87·2	87·8	88·2	89·1	89·0	89·8	90·0	90·5	90·2	89·0	88·8	87·0	85·8	85·0	85·0	84·9	84·5	87·1
5	84·1	84·1	84·3	84·3	84·8	85·0	85·1	86·6	87·0	88·1	87·1	87·3	88·6	89·0	88·7	89·6	88·2	87·4	86·9	86·5	86·1	86·0	86·0	85·9	86·5
6	86·0	86·1	85·9	85·0	84·8	86·1	89·0	89·9	90·6	90·8	92·0	91·9	92·0	92·6	90·7	90·0	90·1	90·0	90·1	88·7	87·7	87·1	86·9	86·9	88·8
7	86·8	86·4	86·0	86·0	86·3	86·0	86·0	86·3	86·7	87·5	87·9	89·0	91·6	92·0	92·0	89·5	88·6	90·3	89·5	88·7	88·1	87·1	87·0	86·6	88·0
8	86·3	86·0	85·4	85·0	84·9	85·2	85·7	86·6	87·0	86·5	87·1	88·2	87·2	87·6	87·1	86·5	86·8	86·4	86·2	86·1	86·0	86·3	87·0	87·2	86·4
9	87·1	88·3	88·9	88·8	88·5	88·9	89·1	89·6	91·6	92·8	94·1	94·1	94·6	92·6	90·0	90·9	90·9	92·3	91·8	90·0	88·2	87·0	86·1	85·4	90·1
10	85·0	85·4	85·0	85·3	86·2	87·1	87·6	89·0	90·3	89·9	90·1	91·0	91·0	92·0	91·9	91·0	90·3	90·1	89·0	88·0	87·6	87·0	86·7	86·1	88·4
11	85·9	85·6	84·9	85·4	86·0	87·6	87·6	87·6	88·7	89·2	89·5	90·0	90·4	90·9	90·9	89·9	89·9	88·8	87·3	87·1	86·8	86·0	85·2	84·9	87·8
12	84·0	83·0	83·0	82·8	82·6	84·0	84·7	86·6	88·4	89·1	90·6	90·6	90·7	91·0	90·2	90·1	88·5	88·6	88·2	88·0	87·7	88·0	88·1	88·1	87·3
13	88·0	88·0	87·9	87·5	87·5	87·9	88·1	88·1	87·6	88·1	89·2	91·1	93·0	93·0	95·5	95·6	95·6	95·1	92·4	91·0	88·9	88·3	87·9	86·7	**90·1**
14	86·1	85·2	83·9	84·5	84·7	85·9	87·0	88·4	89·7	90·4	91·2	91·3	90·6	90·0	89·4	90·0	88·1	88·1	86·7	86·6	86·0	85·9	85·5	85·0	87·5
15	84·0	83·9	83·6	82·8	82·2	83·9	85·3	86·6	87·6	88·6	89·1	88·7	88·9	87·7	87·4	87·7	86·2	86·1	86·0	85·6	84·6	84·3	84·1	84·0	85·8
16	84·0	83·6	84·0	83·8	83·2	84·1	84·9	85·8	86·3	87·6	88·2	88·9	88·4	87·5	88·6	87·1	86·0	85·2	85·0	84·9	84·8	84·6	84·6	84·5	85·6
17	84·4	83·9	83·4	83·2	83·5	83·9	84·1	84·2	84·3	84·9	85·4	86·5	87·9	89·0	87·6	86·3	86·4	86·7	86·1	85·9	85·7	85·7	85·4	85·1	85·4
18	85·0	84·9	84·6	84·6	84·4	84·6	84·9	85·3	85·3	85·4	86·0	86·4	86·3	86·2	86·7	86·3	85·9	85·3	85·6	85·1	84·7	84·1	84·0	83·8	85·3
19	83·8	83·7	83·6	83·3	83·1	83·4	83·8	84·3	85·3	85·3	85·4	85·7	86·0	86·1	85·8	85·7	85·4	85·2	85·0	84·8	84·4	84·4	84·2	84·2	84·7
20	83·6	83·6	83·7	83·9	83·9	84·0	84·2	84·6	85·0	85·5	85·7	85·3	85·1	85·8	85·5	85·8	85·8	85·4	85·2	85·3	85·2	85·2	85·2	85·2	84·9
21	85·2	85·4	85·4	85·2	85·2	85·1	85·6	86·4	87·9	88·3	88·7	87·9	88·5	89·1	89·9	89·2	88·6	88·0	87·3	86·0	85·0	84·8	84·3	83·6	86·7
22	83·4	83·1	82·9	82·7	82·2	83·5	84·6	85·4	86·5	88·0	88·9	89·0	89·7	88·8	88·4	88·5	88·5	87·1	86·2	85·0	84·1	83·2	83·7	82·9	85·7
23	83·3	82·3	82·1	81·2	81·9	83·1	84·7	85·3	86·5	87·2	87·5	88·4	89·2	89·1	88·6	87·6	86·2	85·6	84·8	83·9	83·5	83·9	84·1	84·6	85·2
24	84·9	84·9	84·9	84·8	84·9	85·0	85·1	85·2	85·4	85·2	84·5	84·0	83·3	83·6	83·9	84·2	84·1	84·1	83·6	83·4	83·0	82·7	81·9	82·0	84·2
25	81·4	80·9	80·6	80·7	80·9	81·1	81·9	82·4	83·8	84·0	84·6	84·9	85·0	85·1	85·0	84·7	84·5	84·2	84·1	84·0	84·1	84·1	84·4	84·8	83·3
26	84·9	84·7	83·6	83·2	83·0	84·4	84·7	85·3	86·8	88·2	88·0	88·1	88·3	87·2	88·8	89·4	88·6	87·8	87·1	86·0	85·2	85·2	85·0	84·1	86·2
27	84·3	83·8	83·2	83·0	82·7	84·0	85·0	86·0	85·9	87·7	88·0	88·4	88·6	88·7	88·1	87·2	87·7	86·2	85·7	84·8	84·1	83·3	82·6	82·9	85·5
28	82·6	82·7	82·6	82·8	82·3	82·6	83·1	85·1	85·3	85·9	85·9	85·2	85·5	84·6	85·7	86·0	86·1	84·9	84·3	83·4	83·0	82·1	82·0	81·8	84·0
29	81·0	80·0	79·4	79·0	78·6	80·6	82·3	83·3	84·6	84·8	85·0	84·9	84·6	84·7	85·0	84·4	84·1	84·1	83·9	83·0	82·7	82·5	82·0	82·3	82·8
30	82·6	82·3	82·0	81·9	82·0	82·0	82·1	82·0	81·8	82·0	82·5	82·6	83·1	83·4	83·1	83·1	83·0	82·7	82·8	82·6	82·4	82·3	82·1	82·1	**82·4**
31	82·0	81·8	81·8	81·7	81·6	81·5	81·7	82·9	84·3	84·4	84·2	85·2	85·8	85·8	85·7	85·1	84·9	83·9	83·2	82·2	81·2	80·1	79·9	79·0	83·0
Mean ..	84·5	84·3	84·0	83·9	**83·8**	84·6	85·2	86·0	86·7	87·2	87·6	87·9	**88·2**	88·2	88·1	87·8	87·4	87·0	86·5	85·8	85·2	84·9	84·7	84·5	86·0
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0

Readings in degrees absolute at exact hours, Greenwich Mean Time.

36. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **September, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	79·1	78·9	79·4	78·8	78·4	79·1	81·2	82·7	84·0	85·1	85·1	84·9	84·8	84·1	83·6	83·8	84·0	83·7	83·4	82·5	81·7	81·7	82·2	82·1	82·2
2	82·6	82·6	82·2	81·8	81·9	81·7	82·1	82·4	82·9	84·0	84·5	84·1	84·6	85·4	85·1	85·0	84·9	84·6	82·7	81·5	80·2	79·0	79·0	78·0	82·7
3	78·0	77·4	77·9	77·1	76·3	77·0	80·6	83·3	84·4	85·3	86·0	86·4	87·9	88·3	87·6	86·4	86·0	86·1	85·9	85·2	84·4	84·1	84·0	84·1	83·2
4	84·1	84·1	84·1	84·1	84·0	83·4	82·9	83·0	83·6	84·4	85·9	86·5	87·0	87·4	86·7	87·0	86·4	86·4	84·8	84·1	83·1	82·9	82·9	82·3	84·7
5	82·2	82·1	82·1	82·5	83·0	83·2	83·9	84·8	85·8	86·1	86·9	89·3	90·2	90·1	89·2	89·4	88·7	88·3	87·8	87·1	86·7	86·9	85·9	86·6	86·1
6	86·5	87·0	86·6	86·6	86·0	85·1	86·7	88·1	89·3	90·3	91·5	92·0	92·6	92·4	91·0	89·5	89·0	88·0	87·2	87·4	87·7	87·9	87·7	88·0	88·5
7	88·1	88·2	85·6	84·2	84·1	83·7	84·2	85·1	85·6	86·2	86·9	87·0	87·1	87·5	87·0	86·2	85·6	85·4	84·1	83·0	82·5	81·4	81·0	81·2	85·2
8	81·0	80·3	80·3	79·8	80·0	80·0	81·0	82·9	84·6	85·6	85·9	85·8	85·0	84·9	85·5	86·2	85·9	85·5	85·0	84·5	84·6	84·9	85·3	85·0	83·7
9	84·9	85·0	84·8	84·9	84·7	86·0	86·7	87·5	88·9	89·6	90·0	90·1	88·7	89·8	89·4	89·0	88·5	87·6	85·9	85·0	84·2	83·0	82·1	81·9	86·7
10	81·9	81·7	81·1	81·6	81·3	82·1	83·1	84·1	85·2	86·0	86·2	86·8	87·7	86·7	86·2	85·7	85·4	84·8	83·9	83·7	83·7	83·6	83·6	83·6	84·1
11	83·3	83·1	83·0	83·1	83·1	83·1	83·9	84·7	86·7	87·3	86·0	87·7	87·4	88·1	88·1	87·4	87·1	87·1	86·6	86·4	87·1	87·1	87·1	87·0	85·8
12	86·9	86·9	87·0	86·4	85·2	84·6	84·6	85·6	86·4	86·5	86·9	87·7	87·9	88·0	87·7	86·9	86·1	85·0	84·3	83·5	83·0	82·1	81·0	80·4	85·6
13	79·9	79·2	78·6	79·1	78·8	80·1	81·0	81·8	82·9	83·5	83·2	83·1	83·0	83·0	82·9	82·9	83·1	83·5	84·1	84·4	84·6	84·7	85·0	85·0	82·3
14	85·2	85·2	85·1	85·1	85·1	84·9	84·4	84·5	85·4	85·8	86·4	86·8	87·3	87·1	87·2	87·3	86·5	85·7	84·3	84·3	84·1	84·0	84·0	83·1	85·4
15	82·8	82·4	82·1	81·5	81·5	81·2	81·3	81·9	82·4	84·0	85·1	86·0	86·3	86·7	86·1	86·5	86·2	85·2	83·9	82·7	82·3	81·6	81·0	80·8	83·4
16	80·6	80·4	80·7	81·6	81·9	81·6	82·1	82·7	84·5	84·8	84·9	85·1	85·6	85·6	85·5	85·1	84·8	83·4	82·0	81·9	81·1	80·1	79·6	79·0	82·7
17	78·6	78·8	79·2	79·6	80·4	81·4	82·4	83·1	83·3	83·7	83·4	83·6	84·6	84·2	83·8	83·1	83·0	83·1	83·0	82·9	83·0	83·1	83·2	83·2	82·3
18	83·6	83·6	82·9	82·4	82·1	82·0	81·9	82·1	82·5	83·0	84·1	85·1	85·0	85·1	85·1	84·6	84·4	83·7	83·1	82·6	82·2	81·4	80·4	80·0	83·1
19	81·0	80·3	80·1	79·1	79·6	78·9	79·9	81·3	82·9	84·1	84·5	84·2	83·6	83·1	83·4	84·0	84·1	83·9	83·3	83·0	82·6	82·2	80·9	79·4	82·1
20	78·4	77·7	77·6	76·6	76·0	76·0	76·6	77·9	79·4	81·4	82·2	83·3	83·7	83·8	83·5	83·7	83·5	82·6	80·6	79·0	78·0	77·5	77·6	77·1	79·8
21	77·1	77·4	77·4	78·2	78·4	78·1	78·4	78·6	79·5	80·2	80·6	81·7	82·1	81·9	82·1	82·0	81·7	81·2	80·5	79·9	79·5	79·6	78·9	78·8	**79·7**
22	78·7	78·9	79·2	79·4	79·3	79·9	80·1	80·4	81·3	83·0	84·3	84·7	85·7	85·9	86·1	85·6	84·0	82·7	82·1	81·5	80·0	78·8	78·9	77·9	81·6
23	77·6	76·9	76·6	76·8	77·2	77·3	77·9	79·0	80·8	82·2	83·1	83·4	83·7	83·5	83·7	83·1	82·3	82·0	80·5	79·4	79·6	79·2	79·1	80·1	80·2
24	80·2	80·1	79·9	79·4	79·4	79·0	78·4	80·5	81·9	82·4	83·1	83·4	82·7	82·0	82·9	83·3	83·1	82·8	83·0	83·2	83·0	83·0	83·3	83·5	81·7
25	83·6	83·7	83·9	83·7	83·6	83·3	83·3	83·4	83·4	83·7	85·1	85·6	86·0	86·0	85·4	85·7	84·9	84·3	83·8	83·7	83·6	83·0	82·7	82·3	84·1
26	82·7	83·5	82·9	81·9	81·9	81·9	82·1	82·6	83·9	85·3	86·5	87·2	87·5	86·5	86·3	86·0	86·1	86·0	85·8	85·0	85·9	85·7	85·6	85·8	84·7
27	85·8	85·3	84·9	84·6	85·0	84·6	85·0	85·2	85·5	85·1	84·9	84·9	85·0	85·0	85·5	86·0	86·3	86·5	87·0	86·6	87·1	87·9	88·0	87·8	85·8
28	88·2	87·4	88·0	87·8	87·4	87·9	88·2	85·9	85·9	87·5	87·9	88·2	88·4	89·2	88·7	87·4	87·0	86·5	86·1	84·8	84·6	84·0	84·0	84·2	87·0
29	84·0	84·0	84·0	84·3	83·8	83·0	83·5	84·3	85·8	86·4	87·8	88·8	88·7	87·4	87·1	86·8	85·8	85·1	85·0	84·9	85·0	84·8	84·9	85·0	85·4
30	85·2	85·3	84·5	85·1	85·2	85·6	85·3	86·5	88·6	91·1	93·9	93·6	93·0	92·5	91·6	91·5	90·4	89·6	89·2	88·7	88·7	87·9	87·5	88·0	**88·6**
Mean ..	82·4	82·2	82·1	81·9	**81·8**	81·9	82·4	83·2	84·2	85·1	85·8	86·2	**86·4**	86·4	86·1	85·9	85·5	85·0	84·3	83·7	83·5	83·1	82·9	82·7	83·9

37. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **October, 1923.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	88·1	87·7	87·4	86·7	85·0	83·7	83·0	83·6	84·8	85·4	86·0	86·9	87·4	87·6	87·6	87·0	85·7	84·5	83·2	83·6	83·4	83·4	83·0	83·0	**85·4**
2	82·6	82·4	82·7	82·9	82·7	81·5	81·1	81·2	82·1	82·6	83·0	82·6	83·9	83·0	83·0	82·8	82·2	80·8	80·4	79·6	79·4	79·4	78·6	78·3	81·7
3	78·7	78·2	77·4	76·9	76·6	75·6	75·8	76·1	77·9	79·4	81·3	81·5	82·3	82·2	82·1	81·1	80·9	79·9	78·6	78·4	78·8	79·3	79·8	79·7	79·1
4	79·9	79·1	78·5	78·7	78·0	77·7	77·6	78·1	78·7	79·0	77·2	79·2	80·7	80·8	80·7	80·1	79·4	78·8	78·4	78·0	76·5	74·6	74·7	75·4	**78·4**
5	76·3	77·2	77·3	78·0	78·1	77·7	77·3	77·6	78·5	79·1	80·1	79·9	79·9	81·0	81·7	81·7	81·6	82·1	82·1	81·8	81·2	80·9	80·1	79·5	79·5
6	80·9	79·8	79·2	81·0	80·9	80·8	80·2	80·4	81·6	81·6	82·9	84·0	85·5	85·6	85·7	85·1	84·1	82·7	81·9	81·0	80·5	79·7	80·7	81·6	81·9
7	81·0	81·1	81·5	81·4	81·1	81·1	82·4	83·3	84·0	84·7	86·6	86·1	85·5	86·7	86·6	85·8	85·1	84·8	84·4	83·7	83·4	82·6	82·6	82·0	83·6
8	80·9	80·2	80·1	79·1	79·1	78·8	79·7	80·6	81·9	83·0	84·0	84·4	84·9	84·4	84·2	83·9	83·4	82·8	82·1	82·1	81·4	81·4	81·8	82·1	81·9
9	82·4	83·0	83·8	84·1	84·0	83·6	82·9	82·9	83·6	84·3	85·0	84·5	85·0	85·5	85·5	84·9	83·2	83·0	82·7	82·3	82·1	81·9	81·6	81·4	83·5
10	81·6	81·0	80·7	81·0	79·9	81·4	81·3	81·2	82·5	83·7	84·1	85·1	86·0	86·1	85·7	85·0	83·7	82·1	81·1	80·4	79·7	79·5	79·1	78·4	82·2
11	78·8	79·1	79·2	79·3	78·2	78·6	79·3	79·9	80·0	80·8	81·4	81·9	81·8	82·0	82·6	81·8	80·8	79·9	79·0	78·8	77·9	78·8	78·8	78·9	79·9
12	80·3	80·3	80·4	80·1	80·1	80·0	79·7	80·4	81·6	82·3	82·8	83·4	83·7	83·5	83·1	82·7	82·4	81·0	80·0	79·6	79·4	79·1	78·9	78·6	81·0
13	78·7	78·6	79·8	79·4	78·1	77·9	78·1	78·9	79·2	80·7	81·3	81·2	81·8	81·2	81·2	81·1	79·4	78·8	78·6	78·2	78·1	77·9	77·5	77·5	79·3
14	77·1	77·1	77·0	77·0	76·9	75·7	77·0	77·7	79·2	80·4	80·4	80·3	81·0	81·0	80·4	79·2	78·6	78·4	78·6	78·5	78·4	77·9	78·0	78·0	78·5
15	77·1	77·4	77·2	78·1	77·9	77·9	77·9	78·5	79·2	80·9	81·7	83·4	83·6	83·8	83·8	83·0	82·0	81·1	80·9	81·1	81·1	80·6	80·3	80·1	80·3
16	80·0	79·9	80·0	80·1	80·1	80·1	79·7	79·8	79·8	80·3	80·8	80·4	81·2	80·7	80·5	80·7	79·3	78·1	77·1	76·8	77·2	77·5	78·6	79·0	79·5
17	79·4	79·5	79·0	78·8	80·0	79·4	80·0	80·4	81·8	82·8	83·2	83·4	84·1	83·9	84·3	83·8	83·3	83·4	82·7	82·7	82·3	82·0	81·7	81·9	81·8
18	81·9	81·9	82·4	82·4	82·2	82·1	81·9	82·3	83·1	83·9	84·8	84·0	84·0	83·9	83·9	83·4	82·9	82·9	83·2	83·1	83·2	83·2	83·0	83·2	83·0
19	83·6	83·9	84·0	84·4	84·2	84·6	84·8	85·0	85·6	85·2	85·1	84·8	85·0	84·6	84·0	83·3	82·3	81·4	81·3	80·9	80·6	80·3	80·3	79·8	83·4
20	79·7	80·0	79·6	79·4	79·4	80·1	80·0	81·0	82·0	82·7	83·4	84·0	84·0	84·8	84·2	84·1	84·0	84·1	84·0	83·9	83·4	83·4	83·0	82·6	82·3
21	82·7	82·8	82·7	82·6	82·5	82·8	83·1	83·6	83·9	83·8	84·1	83·6	83·5	83·4	83·8	83·0	81·9	81·7	81·6	80·8	80·6	80·4	80·1	80·9	82·5
22	79·6	79·8	79·7	79·1	79·4	79·4	79·1	79·6	80·4	81·0	81·6	82·2	82·9	83·6	83·1	82·0	81·1	80·9	80·5	80·4	80·0	80·1	81·0	80·7	80·7
23	80·6	80·1	79·3	79·9	78·8	79·0	79·0	79·2	79·8	81·0	81·5	82·4	82·3	82·9	82·6	82·4	82·1	82·0	81·9	81·6	81·5	81·4	81·1	80·8	81·0
24	80·5	80·0	79·7	79·5	79·4	79·3	79·4	79·4	79·9	81·1	81·6	82·9	83·4	83·6	82·9	82·1	80·7	79·7	78·6	78·3	77·9	77·5	77·3	77·0	80·1
25	76·2	77·0	77·0	77·5	77·1	76·8	77·2	77·8	79·9	81·1	82·1	83·0	83·4	83·5	82·7	82·6	82·0	81·6	81·4	81·4	81·2	81·3	81·3	81·2	80·2
26	80·9	80·1	79·3	79·3	78·5	78·8	79·5	81·0	80·6	80·4	80·9	81·4	80·3	79·9	80·2	79·9	79·6	79·3	78·1	77·9	78·0	77·8	77·5	77·3	79·5
27	77·4	77·6	77·6	81·6	82·2	82·4	82·5	82·7	83·0	83·4	83·6	82·7	81·5	81·1	81·5	81·8	81·7	82·1	82·2	82·7	83·1	83·0	83·1	82·8	81·7
28	82·9	83·1	83·6	83·5	81·6	81·5	82·0	81·6	81·9	82·2	82·5	83·0	83·3	83·3	82·9	82·9	82·4	82·3	81·7	81·6	81·4	81·0	80·8	80·9	82·3
29	80·6	80·6	80·0	79·9	79·4	78·9	79·1	78·8	79·7	81·0	82·0	82·3	83·1	82·6	81·9	82·1	82·6	82·8	82·6	83·0	83·6	84·0	84·3	84·9	81·6
30	84·3	84·7	85·7	84·7	84·4	84·6	84·9	86·7	86·0	87·0	86·8	86·2	86·2	86·0	85·9	84·9	83·9	83·6	83·1	82·9	82·8	82·6	82·0	82·7	84·8
31	82·4	81·7	81·4	80·9	80·7	80·6	80·9	81·1	82·3	83·0	84·1	85·0	84·9	84·8	84·7	83·3	82·1	81·5	81·2	81·0	80·1	79·4	79·4	79·0	82·0
Mean ..	80·6	80·5	80·4	80·6	80·2	**80·1**	80·2	80·7	81·4	82·2	82·8	83·1	83·4	**83·5**	83·3	82·8	82·1	81·6	81·1	80·8	80·6	80·4	80·3	80·3	81·4
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

38. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulb above ground) = 12·5 metres. **November, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·0	78·8	78·2	78·1	78·1	77·8	78·0	78·3	79·3	80·0	81·0	82·1	82·6	82·9	82·7	81·9	80·7	80·4	80·1	79·3	79·2	78·7	77·9	78·6	79·7
2	79·6	79·4	79·1	78·9	78·7	78·5	77·7	78·1	79·0	79·4	80·5	81·3	82·0	82·1	81·8	80·6	80·0	79·7	80·0	80·2	80·1	80·1	80·2	80·7	79·9
3	81·0	82·0	82·9	83·5	83·7	85·5	85·0	83·9	83·8	83·4	81·0	81·9	81·4	79·4	78·9	78·4	76·6	76·9	76·6	76·6	76·7	76·7	77·1	77·7	80·5
4	78·2	77·7	77·7	77·6	76·9	76·4	76·6	76·9	77·0	77·9	78·1	79·0	79·7	79·1	79·5	78·6	77·7	77·5	77·5	77·4	77·2	78·0	77·7	78·0	77·8
5	78·0	77·7	77·4	77·5	77·1	76·9	77·0	77·0	77·2	78·1	79·0	79·0	78·6	79·0	78·0	77·7	77·4	77·1	76·7	76·0	75·0	74·7	74·5	74·4	77·2
6	74·6	74·9	74·2	74·1	74·4	74·6	74·7	74·6	75·3	75·1	76·3	76·0	76·4	76·5	76·2	75·6	75·6	75·6	75·6	75·8	75·1	74·4	74·9	74·7	75·2
7	74·7	74·9	75·4	75·1	75·0	74·9	74·4	74·1	74·3	75·2	76·3	76·7	77·0	76·8	76·1	75·9	75·4	75·2	75·3	75·4	75·4	75·2	75·3	75·7	75·4
8	75·3	76·1	76·0	75·7	76·4	77·0	77·4	77·6	77·4	77·7	78·1	78·8	78·6	79·2	78·3	77·3	76·6	75·4	74·3	73·6	74·1	73·2	72·4	72·1	76·3
9	72·4	72·7	73·0	73·7	74·5	75·5	76·1	76·1	78·0	78·9	80·3	80·9	79·0	79·9	80·8	80·3	80·3	80·3	80·0	80·1	77·8	76·6	76·7	75·0	77·4
10	74·2	74·3	74·6	74·3	74·1	73·6	73·4	73·4	74·3	76·6	76·9	77·9	77·9	78·6	78·3	78·0	77·6	76·8	76·8	76·7	77·0	77·3	78·4	78·6	76·2
11	78·0	78·3	78·4	76·9	76·9	76·6	76·7	76·9	76·8	78·8	81·0	82·4	80·7	81·0	81·5	81·5	81·7	82·0	82·2	83·0	87·6	84·7	86·3	86·6	80·5
12	86·0	85·6	85·5	85·2	84·5	84·4	85·1	84·6	84·1	84·9	84·1	83·4	83·0	82·0	81·1	80·9	80·0	80·0	79·4	78·4	78·2	77·9	78·0	78·1	**82·4**
13	78·0	77·9	78·1	77·0	76·6	76·4	76·3	76·4	76·2	77·1	77·7	77·9	78·1	78·3	78·1	78·2	78·6	79·1	79·9	80·5	81·2	80·4	78·4	78·1	78·1
14	78·1	77·1	77·0	76·8	77·0	76·6	76·3	76·0	76·3	76·6	77·4	78·0	77·5	76·7	75·7	75·5	75·3	75·0	74·7	74·1	74·0	73·8	73·7	73·3	76·0
15	73·0	72·5	72·4	71·9	71·5	71·9	72·0	72·5	73·6	76·7	77·6	77·0	77·2	76·7	76·2	76·2	77·0	76·7	77·2	78·4	78·0	77·2	77·1	75·8	75·2
16	74·1	74·7	75·3	75·5	75·9	76·2	76·2	75·9	75·7	76·0	76·3	76·3	76·7	76·1	76·1	76·1	75·7	75·4	75·0	74·7	74·4	75·1	75·2	75·6	75·6
17	76·0	76·6	76·2	75·5	75·2	75·0	74·7	74·0	74·5	75·1	75·5	76·0	76·1	75·9	75·4	75·0	75·3	74·6	74·9	74·7	74·4	74·6	74·1	74·0	75·2
18	74·9	75·2	75·0	75·1	75·7	75·0	75·1	75·9	76·0	76·4	76·9	77·5	77·9	77·9	77·9	76·3	75·7	76·1	76·4	75·8	76·2	76·4	76·4	76·9	76·1
19	77·4	77·5	77·5	77·7	76·6	76·6	76·2	76·4	76·2	76·4	77·7	77·4	76·6	76·8	76·5	75·9	75·7	75·6	74·9	75·1	75·0	75·0	74·9	75·0	76·3
20	74·9	75·7	76·4	75·7	75·5	75·3	75·0	75·3	76·9	77·1	77·5	78·3	79·2	79·0	78·8	77·3	77·7	75·8	75·2	74·9	74·9	74·4	74·7	74·4	76·3
21	74·8	74·6	74·9	75·2	75·0	75·1	75·0	75·1	75·4	75·6	76·5	77·2	77·4	77·2	77·8	77·3	77·0	77·1	77·1	77·3	77·6	77·6	77·4	77·2	76·3
22	76·6	77·1	76·7	76·3	76·6	76·6	76·9	75·9	76·0	76·0	76·8	77·2	77·7	76·8	75·8	75·0	74·9	74·7	74·0	74·3	73·9	74·0	74·0	73·8	75·8
23	74·0	74·2	74·2	74·2	74·0	73·9	73·6	73·2	73·4	73·8	73·9	74·9	75·1	74·9	75·0	74·0	73·9	74·3	74·6	75·2	73·5	72·9	73·1	72·4	74·0
24	72·5	72·5	73·1	72·4	72·4	72·9	72·8	72·7	72·7	73·0	73·8	74·2	74·3	74·5	74·0	73·3	73·5	72·4	71·7	72·1	71·5	71·6	72·5	72·5	**72·9**
25	73·3	73·2	73·4	73·4	73·2	76·3	76·1	76·0	75·9	76·2	77·1	77·6	78·3	78·0	77·5	76·6	76·7	76·4	76·0	76·0	75·6	76·4	76·0	75·2	75·8
26	75·1	75·4	75·4	75·1	74·2	74·0	73·4	73·1	73·3	74·1	75·2	76·3	77·4	77·6	77·2	76·4	76·1	76·1	76·0	75·6	75·7	76·0	75·9	75·3	75·4
27	74·6	74·7	74·7	75·0	74·9	74·9	74·6	74·3	74·3	74·4	74·6	75·0	74·7	75·0	75·0	74·7	74·7	74·2	74·4	74·3	74·1	73·6	72·7	73·8	74·5
28	73·6	73·7	73·6	73·4	73·4	73·4	73·2	73·0	72·9	73·0	75·0	77·6	77·6	77·8	77·9	76·8	77·9	77·8	77·7	77·4	77·4	77·4	77·4	76·7	75·6
29	77·0	76·7	75·5	76·1	75·1	75·1	75·1	75·6	77·3	75·9	75·9	76·2	76·2	75·6	74·9	74·1	74·1	74·4	74·4	74·0	74·1	74·0	74·0	74·5	75·3
30	74·6	74·4	74·3	74·6	74·1	74·4	74·2	73·6	74·0	73·9	74·9	75·3	75·5	75·7	75·1	74·4	74·0	74·1	74·3	75·1	75·6	75·5	75·6	75·8	74·7
Mean ..	76·1	76·2	76·2	76·1	75·9	76·0	76·0	**75·9**	76·2	76·8	77·4	78·0	**78·0**	77·9	77·6	77·0	76·8	76·6	76·4	76·4	76·3	76·1	76·1	76·0	76·6

39. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **December, 1923.**

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	75·9	76·1	76·0	75·8	76·0	76·0	76·0	75·6	76·0	76·1	77·2	77·9	78·2	78·1	77·6	76·8	76·2	76·6	76·4	76·3	76·1	76·9	76·8	76·5	76·5
2	76·9	76·4	76·9	77·1	77·0	77·0	76·9	77·0	78·5	79·2	79·6	79·6	78·8	78·2	75·9	75·9	76·0	76·1	76·0	76·0	75·8	75·6	75·0	75·1	77·0
3	75·0	75·3	75·4	76·5	76·1	75·6	75·5	75·2	74·9	75·1	75·5	76·4	77·2	77·6	76·9	75·9	76·2	74·7	74·9	74·6	74·1	74·1	73·5	73·0	75·4
4	73·0	72·6	73·0	73·4	73·9	74·1	74·4	75·0	77·7	77·6	77·8	78·6	78·6	78·6	77·8	78·0	77·9	78·0	78·6	78·6	78·9	78·9	78·7	78·3	76·6
5	78·6	79·0	78·8	78·0	78·6	78·7	79·3	79·0	78·3	78·0	79·1	79·4	79·3	78·1	77·7	77·2	77·2	75·6	77·0	76·7	75·5	74·8	74·9	75·0	77·7
6	75·1	75·1	75·4	75·4	75·1	75·1	74·6	73·8	73·5	74·0	74·9	75·5	75·8	76·3	75·5	74·3	73·5	73·4	73·6	73·6	73·9	73·9	74·2	74·8	74·6
7	75·0	76·6	76·8	77·0	77·2	77·3	77·6	77·4	77·9	78·2	78·1	78·0	78·0	77·9	77·9	77·7	77·8	78·0	78·2	78·4	78·3	78·5	78·7	78·8	77·6
8	78·9	79·2	79·3	79·4	79·1	79·2	79·0	79·3	78·0	77·1	77·0	76·5	76·1	75·4	75·1	75·0	75·2	75·3	74·6	74·3	74·4	74·4	73·9	73·5	76·7
9	73·5	72·9	73·1	73·0	72·7	72·6	72·9	73·0	72·8	73·2	73·7	74·3	74·8	75·0	74·3	73·6	74·2	74·6	74·4	74·9	75·1	75·0	74·9	75·1	73·9
10	75·5	76·2	76·6	76·4	76·5	79·1	79·4	79·5	79·0	78·9	79·2	79·5	80·0	80·6	80·9	80·7	79·7	79·5	80·0	79·5	79·3	79·7	79·5	80·2	78·9
11	79·6	80·7	80·6	81·2	81·1	80·4	80·8	81·4	81·0	80·5	80·7	81·2	81·0	80·9	81·0	81·0	81·1	81·1	81·0	81·2	81·0	80·8	80·9	80·8	80·9
12	80·8	80·8	80·7	80·8	80·9	81·1	81·3	81·1	81·3	81·5	81·7	81·6	81·8	82·0	81·9	81·3	81·4	81·1	81·1	81·1	81·4	81·4	81·2	81·0	81·3
13	80·5	80·1	79·6	78·6	77·7	77·6	77·6	77·6	77·6	77·4	78·1	78·8	79·1	79·0	78·4	77·5	77·1	76·8	76·9	76·4	76·2	76·0	77·4	77·6	78·0
14	78·5	77·9	78·3	78·6	78·6	78·8	78·7	80·5	80·4	80·3	80·0	80·1	80·3	80·3	80·4	80·6	79·5	78·8	78·6	77·6	77·0	77·1	76·1	76·5	78·9
15	76·0	76·4	76·1	76·1	75·7	76·0	76·0	75·5	75·8	75·6	75·9	76·4	77·0	77·0	76·9	76·7	76·0	76·5	76·4	77·1	77·4	77·3	77·0	76·9	76·4
16	77·1	77·2	77·6	81·8	83·4	83·6	83·9	83·9	83·9	83·9	84·2	84·4	84·8	84·5	84·1	83·5	82·2	81·5	81·2	81·4	81·1	80·9	80·9	80·4	**82·1**
17	80·2	79·9	79·6	79·7	79·2	79·0	79·9	79·9	80·3	82·0	82·5	83·1	83·8	83·5	82·3	81·9	82·2	83·1	81·5	80·9	80·2	80·0	79·5	79·7	81·0
18	79·0	78·9	78·9	78·3	78·0	77·7	77·3	77·3	77·4	77·4	77·1	78·1	77·8	77·5	77·4	76·9	76·5	76·0	75·6	74·6	75·2	74·7	74·4	74·3	77·0
19	74·3	74·1	73·5	73·5	73·0	72·6	73·0	73·0	73·0	73·4	73·6	73·6	73·8	73·6	73·5	73·7	74·3	74·3	74·9	75·2	76·0	73·8	73·8	74·1	73·8
20	75·2	74·1	74·2	73·1	73·0	72·6	72·5	72·5	72·7	73·1	73·1	73·4	73·2	73·6	73·6	72·9	73·1	73·0	72·6	73·7	73·9	74·4	74·1	74·0	73·4
21	74·1	74·0	73·8	73·8	74·1	74·0	73·5	73·0	73·2	73·5	73·9	73·9	73·9	73·9	73·7	73·6	73·3	73·3	72·8	72·5	72·4	72·6	72·8	73·2	73·5
22	73·5	73·6	73·8	74·1	74·2	74·1	74·5	76·6	78·3	77·6	77·6	78·1	78·1	77·6	77·0	76·6	75·4	76·0	75·8	75·8	75·6	75·5	75·4	75·1	75·8
23	75·6	75·5	75·8	75·3	75·8	76·0	76·0	76·0	76·4	76·4	76·0	76·0	75·9	75·6	75·1	75·1	74·8	74·1	74·7	74·8	75·0	75·0	74·8	74·4	75·4
24	74·0	73·6	73·7	75·1	74·8	74·6	74·2	73·7	73·2	73·6	74·1	75·5	75·6	74·8	74·0	73·3	71·4	70·8	70·6	71·0	71·1	71·2	71·2	71·2	73·3
25	71·4	72·0	72·4	72·4	72·0	71·9	71·9	71·7	71·6	72·0	72·0	72·4	72·2	72·2	72·2	72·5	72·7	74·7	74·5	74·1	73·4	73·9	74·2	74·0	72·6
26	73·9	73·9	73·9	73·4	73·3	73·1	72·5	72·6	72·3	72·4	72·6	72·4	72·1	71·7	71·4	71·2	70·8	70·0	70·3	70·6	70·9	71·3	71·5	72·6	**72·1**
27	75·4	74·5	74·0	74·0	74·0	74·0	74·1	74·0	73·9	74·1	74·4	74·4	74·5	74·7	74·7	74·5	74·5	74·5	74·6	74·6	74·3	73·9	73·9	74·0	74·3
28	74·0	74·2	74·3	74·4	74·6	75·0	76·8	76·9	76·2	76·3	75·2	74·9	74·9	74·7	74·4	74·1	74·1	73·4	73·8	73·8	73·7	73·5	73·4	73·0	74·6
29	72·9	72·3	72·0	72·0	71·6	71·9	71·0	70·4	70·3	70·5	71·6	71·8	72·9	74·0	74·0	74·2	74·1	74·3	74·2	74·4	74·6	74·6	75·1	74·9	72·9
30	76·1	76·1	76·2	76·5	76·8	76·9	76·6	76·6	76·8	76·8	76·9	76·8	76·8	76·4	76·7	76·6	76·8	77·0	77·0	77·0	77·0	76·9	76·8	76·7	76·7
31	76·8	76·9	76·9	76·6	76·5	76·4	76·4	76·3	76·4	76·7	76·9	77·6	77·6	78·0	78·0	78·0	78·0	78·1	78·6	78·9	79·2	79·8	80·2	81·2	77·7
Mean ..	76·0	76·0	76·0	76·2	76·1	76·2	76·3	76·3	76·4	76·5	76·8	77·1	**77·2**	77·1	76·8	76·5	76·2	76·1	76·1	76·1	76·1	76·0	**76·0**	76·0	76·3
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

From readings in degrees absolute at exact hours, Greenwich Mean Time.

40. Aberdeen : North Wall Screen on Tower : h = 12·5 metres. 192

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
79·74	79·65	79·58	79·51	**79·51**	79·77	80·07	80·42	80·86	81·33	81·77	82·12	82·26	**82·28**	82·15	81·89	81·61	81·31	80·93	80·63	80·33	80·08	79·96	79·82	80·73

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

41. Aberdeen : North Wall Screen on Tower : h$_t$ = 12·5 metres. 192

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	278·54	−0·18	−0·24	−0·16	−0·30	−0·42	−0·40	−0·48	**−0·49**	−0·45	−0·11	+0·32	+0·56	+0·80	**+0·90**	+0·69	+0·43	+0·14	−0·05	−0·07	−0·05	−0·19	0·00	−0·09
Feb.	**277·60**	−0·03	−0·10	−0·08	−0·12	−0·24	**−0·25**	−0·24	−0·11	−0·13	−0·01	+0·16	+0·32	+0·40	**+0·43**	+0·36	+0·22	+0·08	+0·03	−0·08	−0·12	−0·14	−0·16	−0·15
Mar.	278·15	−0·72	−0·83	−0·94	−1·08	−1·24	**−1·25**	−1·16	−0·84	−0·35	+0·31	+0·82	+1·17	+1·28	+1·36	**+1·42**	+1·29	+1·08	+0·70	+0·26	+0·11	−0·15	−0·20	−0·39
April	278·51	−0·84	−0·86	−0·95	−1·00	**−1·11**	−0·77	−0·45	−0·16	+0·15	+0·52	+0·81	+1·22	+1·26	**+1·38**	+1·33	+1·12	+0·71	+0·44	+0·03	−0·23	−0·29	−0·82	−0·62
May	280·21	−1·78	−1·91	−2·02	**−2·08**	−1·81	−1·08	−0·24	+0·15	+0·51	+1·00	+1·42	+1·65	+1·61	**+1·76**	+1·75	+1·47	+1·51	+1·21	+0·75	+0·12	−0·42	−0·84	−1·23
June	284·19	−1·82	−1·87	−1·96	**−2·02**	−1·71	−1·06	−0·54	−0·12	+0·30	+0·85	+1·35	+1·74	+2·06	**+2·20**	+2·11	+1·89	+1·77	+1·21	+0·52	+0·10	−0·70	−1·19	−1·44
July	**287·32**	−1·77	−1·98	−2·09	**−2·24**	−1·77	−1·08	−0·52	+0·16	+0·77	+1·02	+1·46	**+1·88**	+1·87	+1·69	+1·62	+1·67	+1·51	+1·29	+0·68	+0·02	−0·50	−0·96	−1·21
Aug.	286·01	−1·59	−1·84	−2·10	−2·21	**−2·22**	−1·49	−0·83	−0·07	+0·67	+1·22	+1·61	+1·92	**+2·24**	+2·21	+2·11	+1·82	+1·42	+1·08	+0·56	−0·13	−0·69	−1·02	−1·22
Sept.	283·94	−1·41	−1·56	−1·77	−1·94	**−2·03**	−2·01	−1·46	−0·69	+0·34	+1·21	+1·83	+2·29	**+2·48**	+2·40	+2·15	+1·91	+1·49	+1·00	+0·27	−0·29	−0·59	−0·97	−1·20
Oct.	281·37	−0·95	−1·01	−1·05	−0·91	−1·24	**−1·36**	−1·22	−0·76	+0·03	+0·80	+1·39	+1·72	+2·06	**+2·10**	+1·99	+1·50	+0·77	+0·25	−0·22	−0·43	−0·67	−0·87	−0·90
Nov.	276·59	−0·52	−0·43	−0·43	−0·57	−0·71	−0·57	−0·65	**−0·73**	−0·36	+0·18	+0·84	+1·39	**+1·42**	+1·32	+1·02	+0·42	+0·21	−0·01	−0·13	−0·16	−0·20	−0·44	−0·46
Dec.	276·34	−0·25	−0·27	−0·23	−0·11	−0·14	−0·10	−0·04	−0·01	+0·09	+0·20	+0·45	+0·76	**+0·87**	+0·79	+0·42	+0·11	−0·15	−0·25	−0·25	−0·28	−0·35	−0·40	**−0·46**
Year	280·73	−0·99	−1·07	−1·15	−1·21	**−1·22**	−0·95	−0·65	−0·31	+0·13	+0·60	+1·04	+1·39	+1·53	**+1·55**	+1·41	+1·15	+0·88	+0·57	+0·19	−0·11	−0·41	−0·66	−0·78

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

42. Aberdeen : North Wall Screen on Tower : h$_t$ = 12·5 metres. 192

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	M
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	
1	77·0	73·6	**85·9**	82·3	76·9	75·5	78·9	77·9	81·2	78·6	87·1	78·2	86·2	82·3	89·2	84·1	85·7	78·4	**88·4**	82·8	82·9	77·7	78·3	7
2	82·4	76·9	84·2	77·8	80·0	76·3	79·4	78·3	81·1	77·2	92·3	80·4	93·8	82·5	85·7	81·6	85·8	78·0	83·9	78·3	82·2	77·2	80·0	7
3	79·9	76·7	82·8	77·3	78·2	77·0	79·8	78·3	88·0	76·6	84·4	78·2	94·4	85·3	88·9	84·6	88·5	76·0	82·9	75·4	85·5	76·2	77·6	7
4	79·2	74·9	80·1	75·6	80·7	76·3	81·3	78·4	**92·0**	81·1	82·7	78·0	91·7	83·1	90·9	84·4	88·3	82·3	81·1	**74·2**	80·0	76·2	79·1	7
5	78·8	76·3	81·5	77·1	80·4	77·0	80·4	77·9	89·4	82·8	84·9	78·9	92·1	85·0	89·8	84·0	90·3	82·0	82·4	75·4	79·1	74·4	79·5	7
6	77·7	73·2	80·3	76·9	80·0	76·6	78·3	76·1	88·0	78·5	84·1	76·9	90·8	85·6	93·0	84·6	92·7	85·1	85·8	79·1	76·6	74·0	76·3	7
7	81·8	76·3	80·0	75·9	80·7	76·1	79·0	76·0	86·4	76·4	92·0	78·0	90·1	84·5	92·6	85·8	88·2	80·8	87·1	80·9	77·0	74·0	78·9	7
8	83·4	75·6	80·7	77·5	79·1	77·1	79·2	76·5	86·0	76·4	89·9	83·7	94·1	86·4	88·4	84·8	86·4	79·5	85·1	78·4	79·3	72·1	79·4	7
9	78·9	75·5	79·7	75·2	78·9	75·7	78·8	76·3	83·0	74·2	90·4	83·7	93·3	85·2	95·0	85·4	90·7	81·7	85·6	80·9	80·9	72·0	75·2	7
10	78·7	75·7	79·2	77·9	77·7	75·5	79·8	76·6	80·2	**73·6**	88·9	81·8	90·0	85·6	92·4	84·9	87·9	81·0	86·3	78·3	78·7	73·2	81·0	7
11	78·6	74·6	79·2	77·8	79·1	76·7	78·7	77·2	78·8	74·1	86·4	80·0	92·1	85·4	91·3	84·8	88·4	83·0	82·6	77·9	**88·2**	76·0	81·4	7
12	75·6	72·5	80·0	78·0	79·0	76·3	79·9	78·0	79·4	75·5	90·3	81·1	**99·3**	85·2	91·4	81·9	88·4	80·4	83·8	78·6	86·6	77·8	82·1	8
13	82·2	**72·3**	78·8	76·0	**83·8**	75·6	83·8	78·9	81·6	76·1	87·6	81·4	89·4	85·4	**95·7**	86·7	85·1	78·4	82·2	77·4	81·2	76·2	81·0	7
14	81·6	77·3	76·3	74·4	80·1	73·7	81·0	78·7	81·8	75·7	83·3	78·4	89·3	84·6	91·4	83·8	88·1	83·1	81·5	75·4	78·4	73·3	81·1	7
15	80·2	77·4	77·0	74·4	78·3	76·0	79·1	77·6	82·0	75·8	83·2	**76·1**	91·4	86·1	89·9	81·9	87·0	80·7	84·0	77·1	78·5	71·5	77·6	7
16	79·0	76·4	77·0	75·5	79·6	75·8	80·0	77·8	81·4	75·4	83·7	76·9	91·2	85·0	89·1	83·2	86·1	78·8	81·6	76·4	76·7	74·0	**84·9**	7
17	80·6	75·5	76·2	74·9	79·9	73·3	80·8	77·2	80·1	75·4	84·0	78·9	91·2	83·5	89·0	83·1	84·8	78·6	84·8	78·6	76·7	73·8	83·8	7
18	80·1	75·8	75·8	74·9	79·6	75·9	79·9	76·2	80·4	75·9	91·0	81·5	90·0	83·0	86·9	83·8	85·2	79·9	84·8	81·8	78·0	73·9	79·8	7
19	**85·1**	76·8	76·2	75·2	78·9	73·5	80·0	77·3	86·1	79·3	87·1	80·4	94·4	83·1	86·6	83·1	84·9	78·5	86·0	79·8	77·8	74·6	79·1	7
20	77·0	73·7	75·4	**72·8**	79·6	75·6	80·4	76·9	85·1	80·3	86·6	80·2	93·2	87·0	86·0	83·4	84·0	**75·6**	84·9	79·3	79·3	74·3	75·2	7
21	85·0	75·0	75·4	73·2	80·2	**73·1**	80·0	75·1	84·7	78·0	90·3	85·1	93·0	85·5	90·1	83·6	82·4	77·0	84·3	80·0	78·0	74·4	74·4	7
22	83·4	75·3	76·3	74·7	80·2	74·1	80·1	75·1	81·7	74·8	92·0	86·0	94·6	86·9	90·1	82·1	86·2	77·6	83·6	78·6	77·8	73·7	78·3	7
23	82·6	75·0	78·0	73·8	79·6	77·4	79·0	74·1	82·6	74·4	**94·6**	87·0	91·5	84·3	89·4	81·1	83·8	76·2	82·9	78·8	75·3	72·4	76·6	7
24	84·5	81·2	78·7	76·7	79·8	77·4	80·0	73·2	85·4	75·9	89·2	80·0	88·9	83·9	85·4	81·9	83·6	78·0	83·8	76·3	74·6	**71·4**	75·6	7
25	83·9	79·9	77·5	75·5	82·9	74·0	**85·0**	75·6	81·2	77·3	86·1	78·9	92·2	83·3	85·6	80·4	86·3	82·3	83·6	76·2	78·3	72·5	75·0	7
26	84·5	80·7	78·4	75·8	82·9	76·5	81·2	75·9	81·4	78·2	87·5	77·5	88·0	83·3	89·6	82·7	87·7	81·4	81·5	76·8	77·6	72·6	74·1	7
27	84·0	77·9	79·0	77·7	83·6	79·0	82·1	74·8	83·0	79·2	86·5	82·5	87·9	**82·2**	89·5	82·6	88·0	84·4	83·0	77·1	75·3	72·5	75·5	7
28	80·5	77·5	78·9	76·2	82·1	80·2	82·0	**73·1**	82·1	77·9	91·5	83·8	84·4	83·3	87·0	81·6	89·4	83·8	83·7	80·8	78·1	72·5	76·9	7
29	79·9	76·1	—	—	83·6	78·8	84·0	75·0	83·4	77·5	88·6	84·0	84·4	82·8	85·7	**78·5**	89·0	82·7	84·9	78·6	77·3	73·9	75·1	7
30	83·9	76·0	—	—	79·0	78·0	83·2	78·4	81·7	79·0	87·2	82·7	87·7	83·5	83·5	81·7	**94·5**	84·4	87·1	82·6	76·0	**73·4**	77·1	7
31	84·3	78·5	—	—	78·8	77·1	—	—	82·7	78·3	—	—	86·6	83·4	86·3	79·0	..	..	85·1	79·0	—	—	81·2	7
Mean	81·1	76·1	78·9	76·1	80·1	76·2	80·5	76·6	83·3	77·1	87·8	80·7	90·9	84·4	89·2	83·1	87·2	80·3	84·2	78·4	79·1	74·1	78·3	7

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.* 275·0 degrees absolute is written 75·0.

Percentages at exact hours Greenwich Mean Time. Determined as explained on page 16.

43. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **January, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	80	82	75	76	75	80	79	80	77	81	79	75	71	71	70	79	83	85	84	83	79	74	85	89	78·7	5·5
2	92	92	92	92	94	97	99	97	97	98	96	93	93	82	84	88	88	85	86	79	82	80	79	80	89·6	8·6
3	82	82	81	79	82	81	79	79	82	87	84	81	78	81	82	85	88	79	80	88	82	76	79	79	81·5	7·1
4	78	79	78	81	80	80	80	81	81	82	77	75	74	74	76	80	83	82	79	81	82	81	82	86	79·5	6·7
5	87	87	84	84	87	87	87	87	88	90	94	94	93	93	91	94	92	90	89	89	88	88	83	79	88·7	7·6
6	78	81	87	84	86	89	87	84	84	80	79	73	72	72	74	81	82	80	79	80	83	82	84	85	81·0	5·7
7	94	90	92	94	94	94	95	97	97	94	96	94	90	90	93	92	94	97	94	97	96	91	94	90	**93·6**	8·7
8	91	93	89	86	89	74	70	76	72	73	69	68	65	65	63	67	69	72	73	80	83	80	79	77	76·2	7·6
9	88	83	82	86	90	88	83	80	79	72	73	74	71	71	77	83	83	80	80	77	75	78	80	81	79·7	6·5
10	79	81	82	83	87	75	74	75	75	84	90	94	88	87	84	82	80	82	85	81	79	81	79	80	82·0	6·7
11	80	80	77	77	87	86	84	83	77	83	88	82	85	85	88	82	86	87	88	87	90	88	88	87	84·2	6·6
12	85	85	85	89	89	89	89	89	91	88	88	88	84	81	82	82	79	77	78	77	77	78	81	84	84·0	5·7
13	85	86	87	88	88	89	89	86	82	91	91	90	89	89	88	88	83	84	82	83	84	85	84	90	86·6	6·7
14	90	93	92	89	88	89	76	75	75	70	69	63	59	63	67	78	73	68	67	67	67	71	63	67	74·6	7·1
15	69	68	67	68	70	67	71	69	73	70	69	68	74	71	71	67	67	70	70	72	79	79	83	81	71·1	6·6
16	88	89	90	90	93	92	90	92	93	89	84	81	87	90	94	96	94	91	90	90	91	90	93	94	90·2	7·7
17	95	94	92	91	91	92	95	97	97	92	93	92	89	88	88	86	85	86	89	90	90	76	80	81	89·8	8·2
18	81	84	82	83	84	86	88	89	89	86	85	82	77	79	77	77	83	81	82	76	76	82	88	88	82·6	7·1
19	85	83	81	85	86	88	89	87	86	68	80	80	83	67	71	66	57	60	52	58	64	63	63	67	74·1	7·5
20	71	68	68	70	91	83	85	87	65	69	71	76	68	67	63	61	71	79	80	77	79	75	76	75	73·8	**5·3**
21	72	72	73	73	76	74	74	77	83	83	75	73	73	69	63	67	67	70	70	72	74	67	68	66	72·3	7·3
22	66	68	71	71	70	66	71	68	67	66	68	85	85	83	83	80	79	79	75	78	73	67	66	66	73·0	7·1
23	68	69	73	75	73	75	73	69	71	67	68	71	73	69	71	73	81	82	84	67	65	70	70	72	71·9	6·0
24	70	67	67	68	68	73	75	80	78	74	70	68	68	64	68	67	70	72	71	68	72	70	72	76	70·6	8·7
25	75	80	78	81	78	79	80	74	70	70	65	63	63	64	62	63	67	69	67	69	70	68	67	67	70·6	8·1
26	65	67	71	73	72	74	75	76	74	74	70	69	64	68	67	68	70	70	67	72	71	68	72	73	**70·3**	8·3
27	73	69	69	66	64	67	69	71	66	70	70	71	73	92	92	92	92	89	89	86	88	90	88	86	78·1	8·4
28	85	87	84	87	84	90	91	88	89	88	91	96	95	96	96	93	91	90	82	77	75	75	81	83	87·3	7·9
29	82	82	87	92	93	92	95	95	96	96	94	97	97	96	92	94	92	97	93	90	90	89	87	86	91·8	8·1
30	87	89	93	95	93	95	95	97	99	97	96	94	94	91	94	95	95	95	94	88	91	85	79	83	92·3	8·6
31	76	79	74	81	82	81	82	74	76	77	75	85	80	89	86	84	80	80	91	91	88	73	69	76	80·5	**8·9**
Mean ..	80·5	80·9	80·7	81·8	**83·4**	83·0	82·9	82·5	81·6	80·9	80·5	80·5	79·2	78·9	79·3	80·3	80·8	80·9	80·3	79·7	80·1	**78·1**	78·8	79·8	80·7	†7·3
Vapour Pressure* ..	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·2	mb. 7·2	mb. 7·2	mb. 7·2	mb. 7·1	mb. 7·2	mb. 7·4	mb. 7·5	mb. 7·5	mb. **7·6**	mb. 7·5	mb. 7·4	mb. 7·4	mb. 7·3	mb. 7·2	mb. 7·2	mb. 7·1	mb. **7·0**	mb. 7·1	mb. 7·2	mb. §7·2	

44. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **February, 1923.**

	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	72	66	66	63	64	63	61	65	64	61	60	61	63	63	67	69	62	65	73	80	88	90	88	78	68·8	**8·9**
2	76	77	69	70	64	64	65	69	68	71	70	67	66	63	68	67	69	75	74	76	76	83	85	89	71·5	7·3
3	90	90	89	72	70	76	78	75	68	69	68	65	67	63	65	78	82	82	87	86	84	84	89	89	77·7	7·6
4	87	80	76	78	78	78	76	75	75	75	73	68	65	61	64	64	74	77	80	83	84	80	79	76	75·5	6·3
5	77	74	80	80	84	84	84	81	78	73	75	72	74	78	83	85	87	89	88	91	89	90	86	84	81·7	7·9
6	82	80	80	79	76	77	78	78	82	83	82	84	88	88	88	88	90	90	88	89	91	91	92	90	84·6	7·8
7	94	92	84	80	85	84	85	81	82	81	81	84	88	88	91	92	89	93	90	90	92	93	92	85	87·4	7·7
8	87	90	91	91	98	97	94	97	97	97	97	96	97	94	94	90	87	86	88	89	88	87	88	88	91·9	8·7
9	88	93	88	88	93	91	90	92	92	91	88	85	82	83	85	87	94	96	94	94	94	96	96	93	90·4	7·7
10	90	90	90	89	89	87	86	87	87	84	84	86	87	88	90	88	88	91	91	93	90	87	88	87	88·3	8·0
11	86	86	90	90	91	93	91	91	91	87	87	90	90	88	91	90	90	88	93	90	90	91	88	90	89·6	8·1
12	88	90	90	94	94	93	93	94	94	95	97	94	90	86	87	94	91	93	94	93	93	94	93	90	92·3	8·6
13	90	87	84	84	86	88	89	90	91	86	82	84	84	88	89	90	89	89	89	86	87	83	82	82	86·8	7·2
14	82	82	79	81	83	83	79	77	87	91	90	91	84	84	82	84	81	85	82	82	78	89	86	87	83·6	6·1
15	84	84	89	85	80	81	80	82	79	79	81	82	87	84	83	81	81	81	81	81	79	81	81	81	82·1	6·3
16	79	79	86	87	86	85	88	87	89	90	89	90	92	97	95	93	92	92	92	88	92	92	87	87	88·8	6·9
17	84	83	83	80	78	78	76	73	77	74	75	71	72	72	72	69	71	71	69	69	70	69	70	71	74·4	5·4
18	69	69	71	71	68	67	69	72	68	71	67	71	67	69	69	71	72	72	69	71	70	70	71	68	69·7	5·1
19	68	68	68	64	67	65	67	66	65	66	65	70	67	63	73	73	69	71	72	75	73	69	69	68	**68·4**	**5·0**
20	68	71	69	69	72	71	71	73	79	78	85	85	87	87	87	77	80	73	71	74	73	90	88	71	77·0	5·3
21	70	61	63	76	84	68	80	85	79	79	80	98	93	96	89	86	86	87	85	82	82	82	83	83	81·3	5·5
22	79	82	81	84	85	84	89	90	88	90	90	88	85	82	82	83	77	80	76	73	74	77	73	78	82·2	6·1
23	77	85	86	89	91	87	89	89	89	85	86	82	82	81	85	88	91	87	83	82	85	84	85	84	85·4	6·6
24	87	88	91	91	92	91	88	87	86	86	84	86	78	84	85	85	82	84	84	85	86	82	82	81	85·7	7·3
25	82	87	83	80	85	74	73	78	80	83	84	85	86	89	89	87	86	90	88	87	87	87	88	91	84·3	6·5
26	93	94	94	95	94	96	96	93	94	96	94	91	90	92	92	92	91	91	92	91	91	96	96	96	93·2	8·0
27	97	94	91	90	91	94	94	91	91	93	91	91	91	91	91	93	93	91	91	93	94	93	94	97	92·5	8·4
28	97	97	95	97	97	98	97	97	97	97	97	97	97	97	95	95	97	95	88	88	88	88	92	90	**94·9**	8·1
Mean ..	83·0	82·8	82·4	**82·0**	83·0	**82·0**	82·4	82·7	82·7	82·5	82·2	82·6	82·1	82·1	83·3	83·5	83·6	84·4	84·0	84·3	84·6	**85·6**	85·4	84·1	83·2	†7·1
Vapour Pressure* ..	mb. 7·0	mb. 7·0	mb. 6·9	mb. 6·9	mb. 6·9	mb. **6·8**	mb. 6·8	mb. 6·9	mb. 6·9	mb. 6·9	mb. 7·0	mb. 7·1	mb. 7·1	mb. 7·1	mb. **7·2**	mb. 7·2	mb. 7·1	mb. 7·1	mb. 7·0	mb. 7·0	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·0	mb. §7·0	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

45. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **March, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	90	90	90	89	89	90	90	93	93	93	93	88	86	85	85	83	82	82	82	83	82	82	80	80	86·9	6·7
2	80	85	87	88	89	91	91	88	89	92	92	90	81	75	85	84	86	91	88	91	91	92	94	93	87·8	7·5
3	92	92	92	91	92	92	94	95	95	97	97	97	97	95	95	97	95	95	97	97	95	95	94	95	94·7	7·9
4	97	97	97	96	96	95	94	94	91	86	77	81	76	71	71	74	76	83	83	83	88	84	83	85	86·0	7·7
5	88	91	89	89	89	88	87	86	86	84	89	91	89	91	87	86	85	82	88	85	83	78	76	76	86·1	7·7
6	79	74	77	81	82	81	84	83	86	88	87	90	90	90	89	91	91	93	93	90	90	90	87	89	86·2	7·8
7	90	90	92	92	93	93	93	93	94	94	94	91	92	88	89	90	84	86	85	85	86	92	96	93	90·5	8·1
8	94	94	93	93	91	90	88	91	96	97	95	93	93	93	93	90	88	87	87	85	85	85	88	91	90·9	8·1
9	91	90	94	94	91	93	94	92	91	89	84	83	78	79	80	78	80	85	84	87	88	88	90	92	87·3	7·1
10	90	87	86	83	84	84	79	83	89	81	86	85	77	77	76	78	80	80	82	84	86	84	84	82	83·0	6·7
11	80	78	78	75	75	79	74	76	74	71	72	68	81	84	80	81	84	80	80	82	83	80	82	84	78·3	**6·5**
12	86	81	80	76	76	78	76	76	75	75	74	75	75	80	78	79	85	87	87	91	91	90	90	91	81·2	6·9
13	91	86	89	89	86	87	90	88	76	66	63	57	55	53	57	57	59	68	70	78	80	82	85	85	**75·0**	7·7
14	85	85	86	86	87	86	86	87	85	81	76	77	81	86	85	86	92	93	93	94	97	97	99	97	87·5	7·1
15	97	95	97	95	96	95	93	88	88	86	86	79	82	80	83	76	79	81	82	82	82	84	86	86	86·8	7·1
16	89	89	89	90	90	90	89	88	87	85	83	83	83	87	87	87	87	87	86	87	90	94	97	95	88·1	7·5
17	95	96	96	96	98	98	96	96	94	94	91	89	93	92	93	93	92	93	96	99	99	100	99	97	95·2	7·8
18	99	97	95	93	93	93	92	90	88	87	83	83	82	82	81	82	84	87	92	92	90	92	92	88	89·2	7·5
19	90	93	93	91	88	93	96	94	93	91	97	95	94	96	94	92	92	90	94	92	90	89	88	87	92·2	7·0
20	87	89	89	92	92	90	95	89	87	85	87	89	93	92	93	90	89	89	89	87	91	91	88	91	89·7	7·7
21	91	94	94	91	95	95	97	98	100	97	93	90	92	90	91	90	93	95	95	96	97	97	96	98	94·2	7·8
22	96	98	100	99	99	98	98	98	100	100	98	82	73	86	86	83	86	87	87	91	90	91	92	91	92·2	7·5
23	81	85	89	88	84	80	77	80	84	84	83	82	80	74	77	77	80	83	90	87	88	87	87	88	83·2	7·4
24	90	90	92	92	91	91	91	92	94	95	96	87	83	83	84	83	83	87	83	79	86	88	87	85	88·1	7·9
25	85	88	90	90	90	89	89	82	80	73	75	67	68	70	75	77	81	85	86	81	89	72	77	74	80·8	7·7
26	72	76	76	82	85	84	83	80	77	67	76	65	73	76	77	80	84	84	84	86	90	89	92	94	80·1	8·0
27	99	100	100	100	100	100	100	100	100	100	100	100	100	93	87	86	88	90	89	90	92	92	92	93	95·5	**9·9**
28	93	94	93	93	94	94	93	94	99	93	93	92	92	93	96	93	92	94	94	97	96	97	97	96	94·2	9·8
29	97	97	97	99	99	99	99	99	100	99	89	86	89	85	82	81	81	82	84	84	91	94	99	97	92·0	9·7
30	94	94	94	94	95	97	97	97	96	99	95	97	97	96	96	97	97	97	97	96	97	97	99	98	96·4	8·6
31	99	98	99	100	98	100	100	100	100	100	100	99	98	97	97	99	95	92	94	94	88	88	88	87	**96·5**	8·3
Mean ..	89·9	90·1	**90·7**	90·5	90·5	**90·7**	90·5	90·0	89·9	88·0	87·2	84·9	84·6	**84·5**	84·8	84·5	85·5	86·9	87·8	88·2	89·4	89·1	89·8	89·6	88·3	†7·8
Vapour Pressure* ..	mb. 7·5	mb. 7·5	mb. 7·5	mb. 7·4	mb. **7·3**	mb. 7·3	mb. 7·3	mb. 7·5	mb. 7·7	mb. 7·9	mb. 8·1	mb. 8·1	mb. 8·1	mb. 8·1	mb. **8·2**	mb. 8·2	mb. 8·1	mb. 8·0	mb. 7·8	mb. 7·8	mb. 7·7	mb. 7·7	mb. 7·7	mb. 7·6	mb. §7·8	

46. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **April, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	90	88	87	88	86	89	90	91	90	91	93	90	91	90	90	88	92	95	97	94	96	95	97	91·0	8·0
2	97	98	100	98	98	100	98	97	97	97	94	94	94	93	93	94	94	93	94	94	94	94	94	94	95·6	8·8
3	94	94	94	93	93	91	91	88	88	88	87	87	92	92	90	86	86	88	91	93	91	93	93	94	90·7	8·4
4	91	91	93	91	93	87	86	82	82	84	84	84	84	86	88	88	89	88	89	87	87	87	87	88	87·5	8·5
5	88	86	86	86	87	86	85	85	83	82	80	80	80	75	75	76	78	76	78	78	75	75	73	70	80·5	7·5
6	67	70	71	69	70	69	72	71	71	71	71	68	77	76	74	77	75	79	87	85	77	81	81	83	74·8	6·3
7	81	82	82	78	77	74	82	81	84	85	87	86	88	88	88	87	86	86	82	81	81	82	82	82	83·0	7·3
8	80	81	81	79	79	73	71	71	67	70	67	66	66	69	72	67	69	67	70	70	72	72	69	69	71·8	6·2
9	67	66	67	65	66	66	65	64	62	63	61	63	62	62	64	63	64	67	71	73	73	78	71	74	66·4	**5·5**
10	74	68	71	70	75	73	77	88	89	91	89	89	86	78	74	76	76	78	79	76	80	81	83	86	79·2	7·1
11	86	88	87	86	84	83	81	87	89	92	91	94	96	94	95	97	97	98	100	100	98	100	100	98	92·3	8·1
12	98	98	99	97	94	96	95	93	94	97	99	97	97	95	94	95	97	99	99	99	100	98	97	98	**96·9**	8·9
13	98	99	99	97	98	100	100	100	97	89	91	84	82	87	88	94	91	86	89	94	94	98	93	93	93·5	**9·7**
14	91	94	96	97	97	96	96	97	97	98	99	94	92	93	93	87	89	88	91	91	92	93	95	98	93·8	9·2
15	94	94	97	96	95	95	97	97	97	96	91	91	90	91	94	94	93	95	95	95	94	94	95	92	94·4	8·4
16	92	92	94	94	94	94	94	94	91	94	94	96	93	90	88	90	92	92	92	93	96	97	97	96	93·2	8·6
17	93	88	91	87	80	85	83	81	77	80	76	74	73	75	71	72	71	69	72	72	71	71	74	73	78·3	7·2
18	77	81	78	81	77	68	69	67	65	67	69	71	69	68	68	68	71	68	66	67	68	66	66	67	70·2	6·2
19	65	65	62	68	63	68	66	71	68	71	63	63	62	60	60	61	67	71	68	64	68	69	65	67	**65·6**	5·8
20	77	65	68	68	68	76	75	65	62	62	66	70	70	76	78	91	70	68	66	64	61	61	67	63	69·1	6·0
21	68	66	65	64	66	65	63	66	68	82	75	68	65	66	69	69	72	75	76	74	77	76	72	79	69·9	6·0
22	72	69	68	73	78	80	78	77	77	70	66	71	64	62	58	59	64	76	76	82	85	85	80	75	72·8	6·2
23	79	79	78	86	90	87	82	83	72	72	71	57	77	59	55	58	71	58	65	77	76	77	79	79	73·5	5·7
24	78	84	87	88	87	86	80	73	73	71	77	56	53	56	54	54	69	67	65	66	69	67	71	71	71·1	5·6
25	66	76	87	92	92	90	92	90	91	80	71	64	65	59	57	57	62	65	70	76	78	79	81	81	75·7	7·6
26	77	83	83	87	86	87	85	74	74	71	75	76	81	81	86	81	87	89	87	81	79	78	68	74	80·6	7·6
27	67	63	66	68	69	71	73	64	58	56	56	49	52	51	50	51	69	71	84	82	81	83	85	84	66·6	5·7
28	85	86	86	87	87	87	80	76	67	72	69	68	71	71	72	71	73	78	76	88	91	94	92	91	79·8	6·9
29	93	85	79	76	81	77	75	66	61	59	53	53	57	64	67	72	67	72	66	84	73	78	81	82	71·9	7·1
30	82	71	79	83	87	91	93	93	96	94	94	93	92	92	90	92	94	94	97	97	83	74	75	75	88·1	8·9
Mean ..	82·3	81·7	82·7	83·0	**83·6**	82·9	82·4	81·0	79·0	79·8	78·6	76·6	77·3	76·7	**76·5**	77·2	79·0	79·8	81·2	82·7	81·9	82·0	82·0	82·4	80·6	†7·3
Vapour Pressure* ..	mb. 6·9	mb. **6·9**	mb. 6·9	mb. 6·9	mb. 7·0	mb. 7·0	mb. 7·1	mb. 7·2	mb. 7·2	mb. 7·4	mb. 7·5	mb. 7·6	mb. 7·6	mb. **7·6**	mb. 7·6	mb. 7·5	mb. 7·4	mb. 7·4	mb. 7·3	mb. 7·3	mb. 7·2	mb. 7·0	mb. 7·1	mb. 7·0	mb. §7·2	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

47. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **May, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	77	79	90	90	88	87	86	83	86	84	82	84	86	83	89	87	89	91	99	91	93	94	93	93	86·9	8·7
2	96	95	97	94	93	82	85	93	91	87	83	80	75	74	76	75	71	73	75	79	82	85	85	87	84·0	7·9
3	85	85	88	85	85	87	83	80	75	65	72	64	63	53	63	60	65	56	70	59	56	61	62	62	70·7	8·6
4	70	63	65	71	70	71	62	58	58	55	55	63	64	58	45	48	54	57	57	62	71	76	82	81	62·8	9·3
5	79	69	74	79	82	80	77	72	72	68	58	53	61	65	63	63	66	67	69	71	71	73	76	77	70·3	**10·2**
6	78	80	77	80	79	77	71	69	62	58	51	50	47	47	46	46	46	48	51	57	61	64	64	65	61·7	8·1
7	66	68	68	66	64	64	59	53	52	50	46	47	46	49	52	62	63	54	59	63	63	67	71	73	**59·2**	6·7
8	76	76	78	77	78	75	68	60	58	56	55	47	47	58	67	77	70	60	66	64	72	73	77	83	67·2	7·3
9	81	84	86	81	87	81	79	76	76	65	60	70	68	82	82	92	87	84	85	85	79	78	75	73	79·2	7·1
10	80	83	84	83	79	71	72	67	62	59	60	61	63	86	87	87	88	87	86	81	86	86	84	88	77·6	**6·3**
11	90	91	91	91	97	90	94	89	92	97	97	93	92	91	93	91	94	94	98	93	97	91	87	88	**92·5**	6·8
12	91	87	88	87	84	90	90	90	87	82	80	79	80	81	78	84	82	81	80	81	81	87	90	90	84·5	6·9
13	90	89	90	88	93	88	88	91	81	91	82	75	80	73	81	76	71	77	80	83	84	87	90	90	84·1	7·6
14	84	79	76	76	71	67	63	59	59	58	57	66	74	78	77	85	79	83	85	86	85	90	91	93	75·8	7·0
15	89	92	93	97	94	93	94	93	90	92	88	80	82	77	79	79	77	88	90	89	93	91	93	94	88·6	8·2
16	92	90	90	95	92	92	86	87	85	89	92	88	81	62	62	63	71	84	89	89	84	78	73	73	83·2	7·0
17	75	83	80	79	87	81	82	81	97	96	100	94	90	90	90	87	89	82	81	82	84	84	84	86	85·7	7·3
18	83	84	84	84	86	82	78	72	66	66	64	68	76	79	82	85	82	85	82	89	87	90	87	89	80·4	7·3
19	86	86	82	83	85	83	72	67	64	61	60	62	69	62	80	82	78	84	85	82	88	88	92	92	78·0	9·0
20	93	93	90	89	92	88	87	86	85	85	86	87	91	88	86	84	77	76	63	66	74	77	68	71	83·0	9·7
21	76	74	77	76	73	69	68	69	68	72	72	70	59	58	55	65	59	57	68	73	76	79	79	83	69·5	7·6
22	84	84	87	82	78	73	66	65	64	64	56	57	55	56	55	57	56	60	60	67	73	74	80	84	68·2	6·3
23	84	84	82	85	82	76	76	77	86	78	66	56	52	54	57	60	61	56	58	68	78	76	73	71	70·9	6·6
24	73	74	73	77	73	68	62	60	59	57	57	59	64	62	61	63	65	70	71	77	80	67	74	74	67·4	7·4
25	76	78	77	76	79	80	81	86	86	79	83	90	89	88	94	97	93	92	92	96	94	99	97	95	86·9	8·2
26	93	93	93	93	91	94	96	93	83	86	88	86	90	85	90	96	94	94	93	94	95	94	96	95	91·9	9·0
27	95	93	90	94	93	91	88	90	92	91	93	88	92	86	83	74	74	73	77	80	84	81	76	76	86·0	9·2
28	72	73	73	75	70	69	72	71	73	68	68	71	72	70	72	72	70	71	75	77	77	83	82	82	73·1	7·4
29	82	85	87	82	80	77	77	80	79	72	65	68	69	68	72	68	68	72	75	77	82	85	85	86	76·6	8·1
30	86	86	86	93	92	92	85	85	89	83	85	80	87	85	90	88	90	90	84	77	86	90	93	92	87·1	8·7
31	83	77	90	94	91	86	84	83	88	83	88	90	87	88	88	90	88	87	77	90	93	89	92	94	87·9	9·3
Mean ..	82·7	82·5	83·4	**83·9**	83·5	80·8	78·4	76·9	76·3	74·1	72·5	**71·8**	72·6	72·1	74·0	75·6	74·7	75·3	76·8	78·3	80·9	81·8	82·3	83·2	78·1	†7·9
Vapour Pressure* ..	mb. 7·4	mb. **7·8**	mb. 7·3	mb. 7·4	mb. 7·4	mb. 7·6	mb. 7·8	mb. 7·9	mb. 7·9	mb. 8·0	mb. 8·1	mb. 8·1	mb. 8·2	mb. 8·2	mb. 8·4	mb. **8·5**	mb. 8·4	mb. 8·2	mb. 8·1	mb. 8·0	mb. 7·9	mb. 7·8	mb. 7·6	mb. 7·5	mb. §7·9	

48. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **June, 1923.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	94	91	93	93	90	86	91	90	81	80	81	83	82	80	81	83	76	79	83	85	87	87	86	84	**85·5**	10·4
2	78	78	79	81	84	79	77	73	74	72	76	70	67	71	69	58	52	76	84	72	73	76	80	82	74·3	9·9
3	79	82	85	86	85	82	80	80	86	75	76	87	88	74	86	80	80	90	90	87	86	86	84	88	83·3	9·7
4	87	85	86	83	76	75	71	76	72	71	70	67	66	67	68	70	67	70	70	75	76	87	87	89	75·4	7·7
5	87	89	86	80	81	79	95	86	79	76	76	75	77	83	78	80	82	68	62	63	74	71	76	79	78·6	8·9
6	76	76	81	84	79	76	73	68	66	61	66	63	58	59	59	58	72	72	71	73	76	75	81	85	71·0	7·3
7	86	86	83	83	81	75	73	73	73	66	65	68	72	65	55	47	48	51	57	62	65	70	71	73	68·9	10·1
8	76	78	77	83	87	80	77	81	79	81	81	74	76	75	74	74	51	50	59	57	63	66	69	68	72·4	10·6
9	69	66	67	71	72	61	56	55	52	51	47	50	51	51	54	58	66	67	71	80	86	93	92	95	65·3	10·1
10	92	75	72	74	74	71	64	61	63	59	57	55	51	49	53	54	52	55	61	60	63	68	70	66	63·9	9·6
11	62	64	64	68	76	86	83	72	68	62	64	54	55	58	59	77	66	69	69	66	69	74	73	75	67·9	8·2
12	77	76	77	71	72	67	70	76	79	86	85	88	83	73	74	66	69	67	62	67	71	75	80	82	74·6	10·6
13	80	79	73	66	66	62	62	60	62	59	58	59	61	66	64	63	80	67	72	68	70	73	69	65	67·2	9·5
14	65	73	75	76	74	74	71	80	81	63	56	56	55	56	52	54	53	55	56	59	63	68	69	71	64·7	**6·9**
15	71	76	77	79	77	73	66	60	66	62	68	67	68	67	68	72	78	79	84	79	75	77	81	83	72·8	7·4
16	87	88	90	88	84	81	80	71	68	70	66	59	56	53	55	57	60	58	65	69	81	80	85	90	72·4	7·6
17	93	90	87	85	90	87	77	68	66	68	65	64	69	70	68	73	74	78	77	79	81	84	87	84	77·8	8·5
18	87	88	88	90	87	82	80	76	73	68	69	69	66	66	66	69	72	73	81	73	78	82	79	80	76·8	11·6
19	80	77	71	71	61	59	59	58	57	57	58	55	67	63	80	64	64	69	73	86	84	81	80	81	68·9	9·2
20	81	85	85	84	78	76	74	69	71	75	65	62	57	59	59	58	62	65	68	75	74	77	75	75	71·3	9·0
21	71	80	83	84	75	71	65	63	61	60	53	51	51	49	53	55	57	61	63	67	69	71	74	76	65·1	10·7
22	76	79	77	82	79	75	73	67	59	60	59	58	57	61	63	62	65	69	69	69	70	71	72	71	68·6	12·0
23	71	70	74	72	69	64	59	57	58	59	60	57	59	53	55	55	54	57	58	61	63	63	68	63	**61·8**	**12·8**
24	67	68	69	72	75	89	87	75	66	71	78	89	88	90	88	89	86	86	80	73	77	80	79	76	78·8	9·6
25	78	74	74	80	79	81	79	81	71	67	65	63	58	57	57	59	70	70	71	73	75	77	80	83	71·6	8·5
26	86	89	88	87	83	78	72	66	66	57	42	47	45	48	47	49	49	49	54	62	63	64	65	65	63·7	8·0
27	65	66	65	65	67	67	59	59	66	65	64	63	63	77	74	74	70	71	72	72	74	77	79	82	68·6	9·2
28	83	84	85	86	86	82	79	88	71	62	59	57	55	65	69	67	67	64	73	72	70	71	75	75	72·9	11·7
29	73	75	79	84	93	90	100	90	84	84	88	91	82	74	66	80	81	87	77	86	75	75	76	78	81·9	12·2
30	88	90	90	91	88	83	75	68	70	71	76	67	62	65	75	88	88	85	81	76	81	85	88	91	79·8	10·8
Mean ..	78·8	79·2	79·3	**80·0**	78·9	76·4	74·2	71·6	69·6	67·3	66·4	65·6	64·8	**64·8**	65·6	66·4	67·0	68·6	70·4	71·5	73·7	76·1	77·7	78·5	72·2	†9·6
Vapour Pressure* ..	mb. 9·2	mb. 9·2	mb. **9·1**	mb. 9·2	mb. 9·2	mb. 9·4	mb. 9·4	mb. 9·4	mb. 9·4	mb. 9·3	mb. 9·5	mb. 9·7	mb. 9·8	mb. 9·9	mb. 10·0	mb. 9·9	mb. **10·0**	mb. 9·9	mb. 9·6	mb. 9·6	mb. 9·3	mb. 9·3	mb. 9·4	mb. 9·3	mb. §9·5	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity.- † Mean of the column. § Mean of the row.

Percentages at exact hours, Greenwich Mean Time. *Determined as explained on page 16.*

49. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **July, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	91	93	93	91	91	87	86	79	79	78	74	87	85	88	92	91	90	89	86	85	84	85	88	86·9	11·2
2	87	88	91	92	91	91	82	78	77	73	66	61	59	68	74	69	74	72	77	77	79	83	82	85	78·2	12·9
3	86	88	87	87	86	87	85	83	77	77	78	77	72	49	46	45	44	43	47	70	74	65	66	66	70·6	12·7
4	66	68	73	76	67	62	70	72	63	65	60	69	63	64	60	70	69	70	70	77	79	79	73	75	69·0	11·8
5	77	75	72	76	73	70	71	66	65	63	67	66	66	72	71	67	67	69	74	80	80	87	87	91	72·7	13·1
6	91	90	91	90	89	86	86	80	77	75	75	71	71	78	81	82	78	76	80	80	82	82	85	82	81·8	13·5
7	85	87	90	90	88	87	83	82	79	80	82	78	82	80	77	81	79	87	83	93	95	95	93	94	85·2	14·0
8	94	96	94	96	96	95	95	97	96	98	99	96	89	89	90	88	79	78	80	89	90	94	94	94	91·9	**16·1**
9	96	94	92	95	88	89	84	79	79	79	73	70	69	67	73	72	71	76	83	81	88	90	93	90	82·2	14·2
10	93	92	95	95	95	90	88	87	84	87	89	96	93	93	96	92	85	86	93	94	95	97	96	99	91·9	15·0
11	100	99	100	99	99	96	98	96	94	92	91	89	82	85	90	89	86	87	90	91	92	95	94	94	92·9	15·3
12	93	92	92	95	94	87	80	64	60	66	65	63	59	53	51	64	71	75	75	80	82	78	78	81	75·2	15·5
13	79	85	86	86	86	82	79	78	74	73	72	74	75	81	85	84	84	84	86	88	86	87	89	92	82·1	13·3
14	92	90	91	94	90	92	86	87	84	79	79	79	75	71	71	72	71	74	75	79	82	83	84	85	82·0	13·1
15	88	88	90	90	91	88	87	86	84	86	84	85	83	80	78	76	78	85	83	84	87	90	90	92	85·4	14·8
16	91	92	93	92	91	89	86	79	75	73	81	78	80	85	86	83	80	52	57	65	69	70	71	76	79·3	13·8
17	78	81	76	78	81	73	72	69	65	60	60	55	55	55	49	53	53	48	54	61	61	64	67	69	**64·2**	10·5
18	72	69	68	69	76	65	69	67	65	62	60	56	70	69	79	85	80	82	82	88	90	90	91	92	74·4	11·0
19	86	87	82	86	79	77	79	78	84	82	86	79	84	82	78	75	79	57	55	61	66	75	77	81	77·5	12·5
20	85	84	79	80	79	76	73	56	55	53	50	50	46	44	49	47	52	58	62	72	78	82	84	83	65·7	12·6
21	82	79	79	81	73	64	62	55	53	57	51	53	54	55	57	59	65	66	68	70	72	70	70	76	65·6	12·3
22	76	79	88	89	89	88	87	89	90	85	79	60	53	57	65	68	67	74	78	73	76	73	80	79	76·7	14·9
23	87	91	92	90	77	78	63	59	54	53	54	63	59	62	55	61	72	69	82	81	80	78	77	77	71·5	12·6
24	80	83	81	77	78	79	77	71	71	67	64	61	69	69	64	67	71	76	83	84	83	82	84	85	75·1	11·0
25	84	86	85	84	85	83	80	74	77	71	70	60	59	59	57	48	54	55	54	53	63	63	64	67	68·5	11·2
26	72	75	68	69	71	69	63	62	62	63	62	67	83	85	83	76	62	64	63	72	69	73	77	84	70·2	**9·7**
27	79	82	81	81	82	82	72	64	64	63	62	62	69	72	74	77	75	77	78	79	83	82	83	84	75·3	10·2
28	84	85	85	85	88	90	91	91	91	92	93	90	89	85	85	87	86	86	87	88	87	84	85	85	87·4	11·2
29	85	85	86	84	84	78	77	79	82	82	87	85	86	88	92	97	98	95	92	96	100	99	98	97	88·6	11·3
30	97	97	97	97	97	97	97	94	87	84	81	83	86	86	87	82	81	89	92	89	93	95	96	97	90·9	12·9
31	99	99	99	97	100	99	100	100	97	98	90	91	91	89	90	95	90	90	95	92	85	88	88	88	**93·9**	13·1
Mean ..	85·6	86·4	86·3	**86·9**	85·6	83·2	80·9	77·7	75·6	74·7	73·8	**72·3**	72·8	72·8	73·6	74·3	73·9	73·9	76·4	79·8	81·6	82·5	83·3	84·8	79·1	†12·8
Vapour Pressure* ..	mb. 12·4	mb. 12·3	mb. 12·2	mb. **12·1**	mb. 12·4	mb. 12·4	mb. 12·6	mb. 12·8	mb. 12·9	mb. 13·0	mb. 13·1	mb. 13·2	mb. 13·3	mb. 13·2	mb. 13·3	mb. **13·3**	mb. 13·1	mb. 13·0	mb. 12·8	mb. 12·9	mb. 12·9	mb. 12·5	mb. 12·4	mb. 12·4	mb. §12·8	

50. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **August, 1923.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	88	91	91	87	87	84	80	83	73	73	70	68	70	80	92	89	85	77	82	87	88	89	88	82	82·8	12·4
2	78	85	91	84	91	81	78	79	84	77	78	80	84	88	84	87	90	88	85	94	91	90	90	92	85·2	11·8
3	94	95	94	89	86	84	79	74	73	75	74	69	70	67	64	65	68	71	65	68	73	68	70	69	75·6	11·8
4	70	71	73	72	73	70	63	62	58	59	57	55	56	55	54	55	60	57	76	79	83	83	81	84	66·6	10·6
5	87	87	84	86	89	88	88	83	82	74	82	80	75	73	78	72	77	82	81	85	91	90	90	91	83·0	12·7
6	90	89	89	89	90	88	84	79	77	72	62	54	60	56	69	72	71	72	69	76	81	86	87	88	77·1	13·7
7	89	90	91	95	94	97	97	98	96	95	95	94	78	77	74	89	90	86	93	93	95	94	88	92	90·7	**15·4**
8	89	88	87	89	88	87	82	79	79	83	80	77	78	80	83	84	84	86	89	89	92	93	95	94	85·6	13·0
9	95	94	91	93	94	91	89	87	77	74	58	57	53	67	79	76	72	59	58	60	67	69	73	74	75·7	14·6
10	76	73	75	74	72	75	69	62	57	56	55	52	53	50	47	54	53	57	61	65	64	65	66	66	**62·5**	10·8
11	67	69	74	70	69	65	64	64	62	59	58	54	51	55	54	58	59	70	81	79	78	84	87	84	66·9	11·2
12	87	88	88	88	87	86	84	78	74	71	62	63	64	62	66	66	76	76	78	84	84	85	84	84	77·7	12·6
13	85	84	83	85	85	85	85	86	93	89	88	78	70	76	47	45	45	49	55	61	70	65	65	71	73·0	14·1
14	72	77	79	79	78	69	68	65	61	57	55	59	61	67	68	65	75	77	81	82	87	76	72	71	70·9	11·6
15	76	75	78	80	82	76	70	64	61	57	57	59	57	72	67	63	72	75	73	72	75	75	76	77	70·3	10·3
16	77	80	77	78	82	76	74	69	66	60	59	57	59	67	63	75	78	92	89	89	90	92	91	92	76·0	11·0
17	90	91	93	92	93	92	96	96	96	93	93	88	81	78	88	89	90	93	93	93	95	91	91	92	91·1	13·0
18	92	91	91	91	93	92	89	89	90	92	88	85	85	80	81	84	85	85	82	84	83	87	87	88	87·3	12·3
19	90	91	91	92	92	91	88	89	83	75	79	74	75	75	75	75	78	77	78	79	85	84	86	86	82·9	11·3
20	90	91	91	90	91	92	92	90	88	84	86	88	88	87	91	91	91	92	95	95	95	96	96	98	90·9	12·6
21	98	96	99	98	98	98	95	95	92	86	82	85	82	78	61	58	60	59	58	55	59	66	66	75	79·6	12·4
22	78	78	78	79	81	76	72	70	58	54	49	50	49	55	54	54	52	59	61	62	66	69	61	65	64·0	**9·3**
23	58	64	64	69	67	65	57	58	56	52	51	51	52	58	61	62	65	68	71	85	92	91	95	93	66·3	9·3
24	93	95	95	95	93	93	96	96	95	96	91	89	93	90	86	82	85	84	82	82	86	78	79	82	89·2	11·8
25	83	86	89	85	86	85	78	81	68	66	67	67	63	67	71	77	83	90	94	94	94	97	95	93	81·4	10·1
26	96	93	92	90	86	82	82	84	78	71	72	69	75	86	78	74	67	76	74	80	87	87	87	86	81·5	12·2
27	84	86	88	88	91	84	82	77	73	71	69	69	64	61	69	77	69	78	76	80	84	82	85	85	78·0	11·2
28	85	85	87	88	84	86	86	76	76	74	72	84	75	85	79	72	68	74	74	75	75	76	75	72	78·7	10·3
29	76	82	81	86	82	75	73	72	67	65	66	69	77	78	73	79	79	82	85	86	89	86	92	95	78·5	9·4
30	93	95	95	93	96	95	96	96	94	93	93	94	96	93	95	97	93	93	92	93	95	96	97	96	**94·5**	11·1
31	95	95	95	96	94	96	96	92	84	83	85	79	73	71	72	76	77	78	86	91	93	97	93	97	87·2	10·6
Mean ..	84·5	85·0	**86·3**	86·1	**86·3**	84·0	81·7	79·8	76·5	73·7	72·0	70·9	**69·9**	72·1	71·7	73·0	74·1	76·2	78·0	80·3	83·3	83·5	85·5	84·3	79·1	†11·8
Vapour Pressure* ..	mb. 11·4	mb. 11·4	mb. 11·2	mb. **11·1**	mb. 11·1	mb. 11·4	mb. 11·6	mb. 11·8	mb. 11·8	mb. 11·9	mb. 11·9	mb. 11·9	mb. 12·0	mb. **12·4**	mb. 12·3	mb. 12·2	mb. 12·0	mb. 12·0	mb. 12·0	mb. 11·8	mb. 11·7	mb. 11·4	mb. 11·3	mb. 11·3	mb. §11·7	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

51. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **September, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	97	94	96	96	96	96	93	86	81	75	77	79	86	89	93	95	91	91	95	93	93	94	97	96	90·8	10·5
2	93	92	96	92	90	92	88	89	86	77	72	71	65	60	58	60	60	63	70	79	85	86	86	87	79·2	9·4
3	88	92	88	91	90	94	89	84	81	67	70	67	66	62	64	77	78	73	72	77	85	87	90	95	80·1	9·9
4	97	99	99	99	99	95	93	92	85	76	65	59	56	57	61	60	61	63	69	66	73	76	74	80	77·6	10·6
5	80	83	84	87	87	90	87	86	85	86	85	69	64	64	69	69	68	68	71	73	75	75	79	79	77·6	11·6
6	80	77	79	79	83	87	80	77	75	69	65	86	66	64	69	75	77	82	87	84	82	87	91	90	77·7	13·6
7	89	85	87	83	73	68	65	63	64	59	57	60	54	56	60	59	63	63	67	74	71	75	76	79	69·0	9·7
8	79	82	81	83	81	83	79	70	66	65	65	65	73	76	73	69	70	75	80	85	86	89	88	88	76·9	9·8
9	89	88	89	88	90	84	82	78	74	72	69	70	81	63	56	52	57	59	62	67	71	76	81	78	74·2	11·5
10	77	76	79	79	83	77	72	68	63	59	58	57	55	61	61	63	63	69	73	78	74	71	71	74	69·3	9·1
11	76	78	81	84	85	86	79	80	75	71	81	69	72	69	68	73	77	77	81	84	81	84	86	87	78·2	11·5
12	85	80	70	61	61	62	60	52	50	52	52	49	49	49	51	53	55	63	65	70	70	75	77	80	**62·3**	9·0
13	82	83	86	86	87	85	85	84	81	76	85	88	93	94	91	93	99	97	99	99	100	99	96	96	89·8	10·5
14	95	94	94	92	91	90	85	76	72	69	67	62	60	59	59	58	60	65	70	78	85	83	83	85	76·6	11·0
15	82	87	87	86	83	83	83	78	81	76	76	73	73	73	76	66	61	64	70	76	75	79	80	78	77·1	9·6
16	79	82	83	82	85	90	86	81	69	68	67	67	64	64	64	69	67	68	74	74	79	81	83	83	75·3	9·0
17	83	79	82	82	82	79	76	76	79	80	86	85	79	83	82	90	88	88	86	83	86	87	91	92	83·3	9·7
18	88	88	89	93	95	91	90	87	82	77	69	65	64	65	63	66	68	74	75	80	81	79	81	81	79·0	9·7
19	76	81	80	85	80	87	82	78	73	67	63	65	74	86	86	84	83	83	91	91	89	75	80	81	80·0	9·2
20	87	84	87	88	87	86	85	81	75	70	62	58	57	59	62	61	61	69	78	84	83	85	87	87	75·8	**7·5**
21	88	87	88	91	91	91	94	93	92	88	84	78	78	76	77	79	83	84	87	89	89	90	91	91	86·5	8·5
22	90	88	90	90	94	95	97	94	89	80	70	68	65	61	67	65	74	91	93	93	92	91	90	91	84·1	9·3
23	91	92	93	93	94	94	92	95	89	83	82	81	79	80	79	86	91	93	93	94	93	94	94	93	89·5	9·1
24	92	90	87	89	86	86	90	84	77	76	73	71	73	83	80	76	86	86	86	86	87	89	90	92	84·0	9·4
25	90	92	87	87	92	88	91	95	95	95	91	86	82	81	85	86	89	91	91	91	92	93	96	96	90·0	11·8
26	92	92	88	90	87	87	88	87	79	78	70	68	70	82	84	86	82	83	81	88	80	89	91	90	84·0	11·5
27	90	92	91	92	92	92	91	92	88	95	96	99	99	100	96	97	96	95	94	94	96	93	93	93	**93·9**	13·9
28	93	95	91	91	94	81	77	88	85	63	63	63	65	54	56	63	58	59	59	70	69	70	70	70	73·3	11·6
29	75	70	70	69	71	76	75	73	69	67	62	59	64	75	75	77	76	91	90	93	95	95	91	92	76·6	11·0
30	95	94	95	96	96	94	98	95	87	77	61	68	71	70	74	72	75	80	79	80	78	81	84	78	82·7	**14·5**
Mean ..	86·6	86·5	86·6	86·8	**86·8**	86·3	84·4	82·1	78·2	73·8	71·4	**69·5**	69·9	70·5	71·3	72·6	73·9	76·9	79·6	82·4	83·2	84·3	85·6	86·1	79·8	†10·4
Vapour Pressure* ..	mb. 10·2	mb. 10·1	mb. 9·9	mb. 9·8	mb. 9·8	mb. **9·7**	mb. 9·8	mb. 10·1	mb. 10·4	mb. 10·4	mb. 10·5	mb. 10·5	mb. 10·7	mb. 10·7	mb. 10·7	mb. **10·8**	mb. 10·6	mb. 10·7	mb. 10·6	mb. 10·5	mb. 10·5	mb. 10·3	mb. 10·4	mb. 10·3	mb. §10·3	

52. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **October, 1923.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	79	82	83	85	68	65	70	68	65	60	61	58	51	50	50	53	60	64	72	70	70	68	70	71	66·5	9·5
2	79	82	81	81	88	83	83	74	69	61	57	65	55	58	59	59	63	66	71	76	76	77	79	81	71·6	8·0
3	78	80	82	83	83	88	87	89	81	76	71	67	63	64	68	71	72	82	86	88	87	89	89	87	79·5	7·4
4	82	85	88	87	89	87	91	87	82	82	88	82	64	60	62	63	68	76	79	79	89	89	89	88	80·6	7·2
5	84	78	81	80	75	79	84	85	82	85	85	87	90	86	85	87	89	91	92	92	91	88	90	89	85·6	8·3
6	91	87	89	79	80	83	90	89	85	90	87	81	64	62	61	62	66	69	74	76	77	82	77	73	78·4	8·9
7	76	80	79	82	85	88	89	87	85	85	79	82	84	81	65	69	77	76	70	73	75	81	81	76	79·3	10·0
8	77	73	73	77	78	78	75	72	70	65	61	60	57	59	65	68	68	73	75	74	88	91	93	93	73·1	8·3
9	95	92	91	87	64	59	61	66	59	56	55	61	55	52	47	48	58	56	56	61	60	63	67	68	**64·6**	8·2
10	65	70	73	72	77	70	72	77	73	69	68	65	65	59	61	60	65	70	72	71	73	72	73	75	69·3	8·0
11	69	71	69	66	71	68	65	65	66	61	60	57	60	57	56	60	67	69	77	75	79	77	81	82	67·7	**6·7**
12	79	81	81	86	88	88	90	89	83	76	77	79	79	77	81	85	86	86	93	91	96	96	96	96	85·5	9·1
13	94	94	85	90	93	92	97	94	96	85	79	74	67	70	77	78	81	88	87	87	86	84	80	78	85·2	8·1
14	81	82	81	80	79	85	84	81	78	77	80	85	80	77	80	81	82	84	83	84	86	85	84	83	81·6	7·3
15	92	88	88	78	79	79	81	78	78	76	73	66	67	66	67	70	74	78	77	76	78	84	84	85	77·5	7·9
16	88	89	86	85	86	90	86	87	89	84	75	74	75	76	75	73	81	86	87	89	87	84	83	82	83·3	8·0
17	76	76	81	87	94	94	86	81	73	67	65	63	58	62	63	68	69	69	74	74	78	79	82	83	75·1	8·5
18	85	88	84	86	87	89	90	90	87	86	79	86	83	88	84	88	88	89	93	91	93	96	100	97	88·3	10·7
19	95	95	95	95	97	96	96	97	94	81	58	61	56	55	58	61	68	71	74	76	78	79	79	81	79·3	9·9
20	83	81	86	82	82	79	81	77	75	73	71	76	80	73	84	85	83	79	78	77	82	81	78	81	79·5	9·2
21	80	79	81	87	93	93	93	91	90	79	67	66	65	61	58	65	70	74	76	81	80	81	82	76	77·9	9·2
22	83	82	82	89	85	86	90	89	85	84	80	77	72	71	66	71	75	79	86	88	86	76	70	70	80·2	8·4
23	71	73	75	69	76	75	77	82	82	85	84	81	83	81	83	89	95	95	95	97	95	96	97	97	84·1	8·9
24	97	93	91	93	94	96	94	94	88	78	75	67	65	63	66	69	77	78	84	83	84	82	81	82	82·6	8·3
25	86	86	88	88	91	89	89	85	78	74	71	66	67	66	73	77	75	78	85	86	86	84	82	81	80·5	8·1
26	78	81	83	81	86	84	89	92	90	90	93	96	86	82	80	78	78	77	86	85	85	88	89	91	85·1	8·2
27	92	92	92	92	89	93	94	94	94	95	93	88	92	89	83	84	85	84	84	86	84	84	82	86	88·9	10·0
28	87	87	83	84	92	88	86	88	83	86	83	82	81	79	80	80	81	78	83	84	84	86	87	87	84·1	9·8
29	92	87	91	85	82	84	85	88	87	83	82	83	77	82	92	95	94	97	98	96	95	96	97	95	**89·1**	9·9
30	96	96	92	96	95	93	92	88	89	87	79	71	74	75	65	68	70	71	76	78	78	79	76	72	82·0	**11·3**
31	74	79	80	83	84	84	80	78	72	74	67	59	60	59	58	64	70	72	74	76	82	82	76	77	73·4	8·3
Mean ..	83·4	83·5	83·7	83·7	84·2	84·0	**84·7**	83·9	80·9	77·7	74·3	73·1	70·2	**69·0**	69·4	71·9	75·3	77·6	80·5	81·3	82·8	83·2	83·0	82·7	79·3	†8·7
Vapour Pressure* ..	mb. 8·6	mb. 8·6	mb. 8·6	mb. 8·7	mb. 8·5	mb. 8·4	mb. 8·6	mb. 8·7	mb. 8·8	mb. **9·0**	mb. 8·9	mb. 9·0	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·6	mb. 8·5	mb. 8·6	mb. 8·5	mb. 8·5	mb. **8·4**	mb. §8·6	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

Percentages at exact hours, Greenwich Mean Time. *Determined as explained on page* 16.

53. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **November, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	79	81	84	84	86	87	87	88	83	85	81	76	76	70	76	77	84	84	84	89	89	88	88	86	82·8	8·1
2	80	83	85	88	87	83	84	79	77	78	72	70	66	64	67	73	73	78	81	84	86	89	92	92	79·5	7·9
3	93	92	89	88	87	70	66	70	61	55	66	56	54	65	68	73	82	78	79	78	77	77	73	70	74·1	7·7
4	69	71	71	70	74	75	75	74	75	75	73	67	62	67	64	68	72	74	72	68	72	73	76	77	**71·3**	6·1
5	79	82	82	85	87	86	86	88	88	90	85	83	79	81	81	84	82	84	83	84	85	86	88	91	84·3	6·9
6	89	89	95	96	93	92	88	91	88	87	82	76	73	71	72	76	75	73	76	81	88	95	92	96	84·6	6·0
7	96	94	87	79	76	73	74	76	77	68	63	63	61	61	66	65	69	69	69	71	73	75	78	77	73·7	5·4
8	79	77	81	90	90	87	88	89	92	88	83	77	75	63	68	73	74	79	79	79	82	83	85	84	80·9	6·2
9	84	83	87	93	93	91	87	90	88	87	68	65	86	81	72	72	74	70	71	76	82	89	89	92	81·9	6·8
10	96	96	94	95	96	97	100	93	93	81	78	76	81	73	78	78	82	77	78	81	80	81	78	78	85·3	6·5
11	84	87	86	92	92	93	92	90	88	86	79	70	87	92	93	95	93	92	92	90	75	85	81	79	87·2	**9·0**
12	78	81	82	84	88	86	77	81	82	75	70	66	66	71	71	64	67	67	67	69	70	74	73	73	74·4	8·6
13	74	74	70	79	85	89	90	92	95	87	87	84	86	84	93	94	95	96	95	97	99	99	96	97	88·5	7·7
14	87	82	80	76	68	69	70	66	60	65	62	63	62	75	81	76	79	78	73	73	69	69	63	69	72·0	5·4
15	67	67	68	68	70	72	73	77	88	69	70	78	76	83	95	95	91	95	99	90	91	92	94	95	81·3	5·8
16	100	100	91	82	74	75	70	71	71	67	64	63	63	65	70	71	74	79	84	86	82	75	87	85	77·3	5·6
17	91	89	86	85	84	82	86	88	89	88	78	73	71	68	69	70	69	73	75	74	72	68	68	70	78·1	5·6
18	68	76	76	76	72	83	90	84	84	82	77	71	69	67	68	86	91	89	90	88	90	90	92	90	80·8	6·1
19	88	87	81	79	83	85	87	87	87	89	82	85	90	89	88	90	90	91	89	93	94	96	92	92	88·0	6·7
20	94	90	92	92	91	93	91	93	86	89	91	88	78	76	76	87	76	87	90	88	89	93	89	91	87·9	6·7
21	89	92	91	93	90	90	91	91	90	93	90	88	88	88	85	82	83	82	82	77	74	74	77	72	85·9	6·6
22	74	70	78	75	71	70	69	74	77	76	75	80	81	78	87	88	86	88	92	89	92	91	91	89	80·5	6·0
23	87	89	89	89	89	85	87	88	91	94	92	88	88	85	88	94	92	91	89	76	81	80	80	85	87·5	5·7
24	87	88	90	90	90	91	89	88	83	78	71	70	70	70	70	70	69	75	77	79	76	76	76	73	79·3	**4·8**
25	69	70	74	76	80	86	89	86	87	83	82	79	78	78	81	86	88	87	87	90	91	90	90	91	82·9	6·1
26	93	93	93	91	96	95	98	95	95	93	91	86	85	84	87	92	92	92	92	91	91	90	91	93	91·6	6·7
27	91	92	91	92	91	91	91	93	93	93	91	91	89	91	91	89	91	95	95	93	96	94	94	93	**92·1**	6·3
28	91	86	84	85	91	95	98	99	98	97	94	74	76	77	70	82	64	64	70	74	68	70	71	75	81·7	6·0
29	72	69	81	84	81	82	82	76	60	73	80	76	77	80	85	89	91	89	84	72	68	66	65	66	77·2	5·5
30	66	71	79	83	85	86	82	82	85	84	74	71	71	73	75	77	80	86	86	91	90	91	91	90	80·7	5·6
Mean ..	83·1	83·4	83·9	84·6	**84·7**	84·6	84·6	84·6	83·7	81·8	78·4	**75·1**	75·5	75·7	77·8	80·5	80·9	82·1	82·7	82·4	82·4	83·3	83·3	83·7	81·8	†6·5
Vapour Pressure* ..	mb. **6·3**	mb. 6·3	mb. 6·4	mb. 6·4	mb. 6·3	mb. 6·4	mb. 6·3	mb. 6·3	mb. 6·4	mb. 6·5	mb. 6·5	mb. 6·5	mb. 6·5	mb. 6·5	mb. **6·6**	mb. 6·6	mb. 6·5	mb. 6·4	mb. 6·4	mb. 6·4	mb. 6·4	mb. 6·3	mb. **6·3**	mb. 6·3	mb. §6·4	

54. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **December, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	90	91	91	91	90	89	90	85	89	84	80	80	81	82	85	94	95	95	95	97	92	93	95	89·3	7·0
2	94	95	92	92	96	98	97	97	99	96	91	86	88	91	94	90	90	90	90	91	86	85	90	91	92·1	7·4
3	89	91	91	82	84	87	84	84	83	84	82	82	77	79	81	81	77	85	82	83	84	82	83	86	83·6	6·0
4	86	87	86	85	86	89	89	88	77	75	75	72	69	71	81	80	89	92	86	88	82	82	79	86	82·5	6·5
5	83	78	79	85	83	83	77	78	86	85	81	75	72	87	82	81	80	87	84	82	85	91	88	88	82·5	7·0
6	91	90	91	87	84	79	83	86	88	89	77	77	73	73	77	80	86	88	81	81	78	78	82	83	82·7	5·6
7	88	83	83	84	85	82	85	88	84	83	84	84	85	85	87	92	92	92	91	90	93	91	90	93	87·0	7·4
8	94	94	94	92	93	92	93	93	84	82	82	85	86	88	88	87	81	76	82	79	73	70	71	72	85·1	6·7
9	72	72	72	71	72	73	75	76	74	70	65	63	65	63	62	67	67	66	70	75	85	87	89	91	72·2	4·7
10	91	95	94	94	94	87	89	90	94	93	94	96	95	92	89	89	91	93	89	93	96	95	93	92	92·4	8·5
11	91	93	94	91	92	96	92	89	92	97	95	92	93	92	92	89	91	88	89	85	86	89	87	89	91·1	9·6
12	89	87	89	89	87	86	84	88	85	84	84	85	85	85	85	91	92	95	92	93	93	92	95	95	88·6	**9·7**
13	96	99	97	93	92	92	92	92	91	87	80	81	77	75	76	79	82	85	75	82	82	81	77	81	85·5	7·5
14	81	85	87	83	78	79	82	76	76	81	86	88	90	94	96	78	80	81	73	74	73	73	83	76	81·5	7·5
15	78	75	79	82	84	80	80	84	80	81	77	77	77	74	73	74	78	75	76	76	78	85	90	90	79·0	6·1
16	91	91	89	78	73	73	71	71	70	71	70	71	68	68	70	76	83	85	88	83	85	85	85	90	78·5	9·1
17	94	97	97	95	97	94	87	87	89	73	72	73	72	77	87	89	89	90	86	72	76	74	77	71	84·4	9·0
18	72	68	66	68	68	69	68	59	62	66	70	63	65	70	66	69	72	76	80	89	81	84	85	73	71·2	5·7
19	76	63	72	80	83	88	84	84	87	73	77	73	73	76	81	81	89	93	92	90	83	97	97	96	82·4	5·3
20	82	91	70	65	59	62	67	80	74	72	80	77	80	69	67	79	80	86	91	78	67	62	67	72	74·5	4·6
21	69	65	68	76	71	70	71	85	85	80	70	69	70	75	80	81	83	83	84	89	90	91	91	91	78·2	5·0
22	91	91	90	90	89	89	89	90	91	94	91	83	79	77	78	78	84	79	80	81	83	79	75	75	84·7	6·3
23	71	71	68	79	85	85	85	84	80	79	84	83	80	80	81	75	74	74	72	76	77	73	69	66	77·3	5·6
24	69	67	65	66	83	88	82	80	82	92	91	75	57	52	52	53	63	67	71	67	67	71	71	70	**70·8**	**4·4**
25	70	66	79	84	90	89	88	87	87	83	77	77	76	72	74	78	82	67	75	85	92	87	84	90	80·4	4·7
26	92	92	92	92	93	93	93	94	94	94	93	92	90	90	90	91	92	92	92	92	92	93	93	93	92·2	5·2
27	92	92	92	96	95	93	96	93	92	96	93	93	91	91	89	91	89	91	89	93	92	92	94	92	92·3	6·2
28	94	96	95	95	93	93	88	77	82	75	82	83	82	83	84	87	87	88	89	88	93	90	87	87	87·6	6·0
29	87	88	88	88	88	89	91	91	91	91	90	89	85	81	79	77	79	76	77	91	91	96	97	94	87·1	5·3
30	97	97	95	92	93	95	96	96	95	92	89	92	90	95	93	95	96	95	96	95	94	95	99	98	94·4	7·5
31	98	96	93	96	98	97	97	97	97	93	92	92	94	97	98	97	98	99	97	97	97	97	99	97	**96·4**	8·1
Mean ..	85·8	85·3	85·1	85·2	85·8	85·8	85·3	85·6	85·0	83·9	82·5	80·9	**79·5**	80·1	81·1	81·9	84·2	84·8	84·4	84·8	84·9	85·1	85·6	**86·0**	84·1	†6·6
Vapour Pressure* ..	mb. 6·5	mb. 6·4	mb. 6·4	mb. 6·5	mb. 6·6	mb. 6·6	mb. 6·5	mb. 6·5	mb. 6·6	mb. 6·5	mb. 6·6	mb. **6·6**	mb. 6·5	mb. 6·6	mb. 6·5	mb. **6·4**	mb. 6·4	mb. 6·5	mb. 6·4	mb. 6·4	mb. 6·4	mb. 6·4	mb. 6·5	mb. 6·5	mb. §6·5	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	Noon.	13.	14.	15.	16.	17.	18	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. § Mean of the row.

HUMIDITY: ANNUAL MEANS OF HOURLY VALUES.

From the monthly means for exact hours, Greenwich Mean Time.

55. Aberdeen : North Wall Screen on Tower : h_t (height of thermometer bulbs above the ground) = 12·5 metres. **1923.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ..	% 83·9	% 84·0	% 84·3	% 84·6	% **84·7**	% 83·6	% 82·7	% 81·5	% 80·0	% 78·2	% 76·7	% 75·3	% **74·9**	% 74·9	% 75·7	% 76·8	% 77·8	% 78·9	% 80·2	% 81·3	% 82·4	% 82·9	% 83·4	% 83·8	% 80·5
Vapour Pressure, in millibars	mb. 8·4	mb. 8·3	mb. **8·3**	mb. **8·3**	mb. 8·3	mb. 8·3	mb. 8·4	mb. 8·5	mb. 8·6	mb. 8·7	mb. 8·8	mb. 8·8	mb. 8·8	mb. 8·9	mb. **8·9**	mb. 8·9	mb. 8·8	mb. 8·8	mb. 8·7	mb. 8·6	mb. 8·6	mb. 8·4	mb. 8·5	mb. 8·4	mb. 8·6

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

56. Aberdeen : North Wall Screen on Tower : h_t = 12·5 metres. **1923.**

nth.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
n.	80·6	−0·2	+0·2	0·0	+1·1	+2·7	+2·3	+2·2	+1·9	+0·9	+0·3	−0·1	−0·2	−1·5	−1·7	−1·4	−0·3	+0·1	+0·3	−0·3	−0·9	−0·5	−2·5	−1·8	−0·8
eb.	83·2	0·0	−0·2	−0·7	−1·0	0·0	−1·1	−0·8	−0·5	−0·4	−0·6	−1·0	−0·6	−1·1	−1·1	0·0	+0·2	+0·3	+1·1	+0·6	+0·9	+1·2	+2·2	+1·9	+0·6
ar.	88·2	+1·6	+1·8	+2·5	+2·3	+2·3	+2·5	+2·2	+1·7	+1·7	−0·2	−1·0	−3·4	−3·6	−3·7	−3·4	−3·7	−2·7	−1·3	−0·4	0·0	+1·2	+0·9	+1·6	+1·4
pril	80·6	+1·5	+1·0	+2·0	+2·3	+2·9	+2·2	+1·8	+0·4	−1·0	−0·8	−2·0	−3·9	−3·2	−3·9	−4·0	−3·3	−1·5	−0·7	+0·7	+2·2	+1·5	+2·2	+1·6	+2·1
ay	78·1	+4·9	+4·6	+5·5	+6·1	+5·6	+2·8	+0·5	−1·1	−1·7	−3·9	−5·5	−6·3	−5·5	−6·0	−4·1	−2·6	−3·5	−3·0	−1·5	0·0	+2·6	+3·5	+3·9	+4·8
ne	72·2	+6·6	+7·0	+7·1	+7·7	+6·7	+4·1	+2·0	−0·7	−2·6	−4·9	−5·8	−6·6	−7·4	−7·4	−6·6	−5·7	−5·1	−3·6	−1·7	−0·6	+1·6	+4·0	+5·5	+6·3
ly	79·1	+6·5	+7·2	+7·2	+7·7	+6·5	+4·1	+1·8	−1·5	−3·5	−4·4	−5·3	−6·8	−6·3	−6·3	−5·5	−4·8	−5·1	−5·2	−2·7	+0·7	+2·6	+3·4	+4·2	+5·7
ug.	79·1	+5·6	+6·7	+7·3	+7·2	+7·3	+5·0	+2·7	+0·8	−2·5	−5·3	−7·0	−8·2	−9·2	−7·0	−7·4	−6·1	−5·0	−2·9	−1·2	+1·4	+4·3	+4·3	+4·3	+5·1
pt.	79·8	+6·5	+6·5	+6·5	+6·8	+6·8	+6·3	+4·5	+2·1	−1·7	−6·1	−8·4	−10·3	−9·9	−9·3	−8·4	−7·1	−5·8	−2·8	0·0	+2·8	+3·6	+4·7	+6·0	+6·6
ct.	79·3	+4·0	+4·2	+4·3	+4·4	+4·8	+4·7	+5·4	+4·6	+1·6	−1·6	−5·1	−6·3	−9·2	−10·3	−9·9	−7·4	−4·0	−1·7	+1·2	+2·0	+3·5	+3·9	+3·7	+3·4
ov.	81·8	+1·6	+1·8	+2·3	+3·0	+3·0	+3·0	+2·9	+2·9	+2·0	+0·1	−3·4	−6·7	−6·3	−6·1	−4·0	−1·3	−0·9	+0·2	+0·8	+0·5	+0·5	+1·3	+1·4	+1·7
ec.	84·1	+1·8	+1·3	+1·1	+1·2	+1·7	+1·8	+1·2	+1·5	+0·9	−0·2	−1·6	−3·2	−4·6	−4·0	−3·0	−2·2	0·0	+0·6	+0·2	+0·6	+0·7	+0·9	+1·4	+1·7
ear	80·5	+3·4	+3·5	+3·8	+4·1	+4·2	+3·1	+2·2	+1·0	−0·5	−2·3	−3·8	−5·2	−5·7	−5·6	−4·8	−3·7	−2·8	−1·6	−0·4	+0·8	+1·9	+2·4	+2·8	+3·2

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

Amounts, in millimetres ; durations, in hours, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

57. Aberdeen : H_r = 14·0 metres + 0·6 metres. **1923.**

G.M.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon.	Noon. to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount	mm. 35·0	mm. 30·4	mm. 29·8	mm. **29·0**	mm. 49·1	mm. 42·6	mm. 35·0	mm. 32·9	mm. 42·8	mm. 41·0	mm. 39·7	mm. 34·0	mm. 34·2	mm. 38·4	mm. 51·8	mm. **54·4**	mm. 46·0	mm. 47·0	mm. 33·8	mm. 29·8	mm. 44·3	mm. 37·3	mm. 48·6	mm. 37·5	mm. 944·4
Duration	hr. 33·0	hr. 26·9	hr. **24·8**	hr. 28·2	hr. 34·5	hr. 33·1	hr. 33·6	hr. 31·8	hr. 32·5	hr. 28·7	hr. 28·1	hr. 28·8	hr. 27·4	hr. 32·0	hr. 34·2	hr. 38·1	hr. 36·3	hr. **40·5**	hr. 36·3	hr. 30·4	hr. 30·0	hr. 31·6	hr. 34·8	hr. 36·6	hr. 772·2

58. Aberdeen. NOTES ON RAINFALL. **1923**

Notable Falls and Wet Periods :—

Jan. 5.—Fall of 15 mm. between 08h. and 19h.
Feb. 6–8.—Desultory occasional rain, 50 mm. in all, followed by 13 mm. on the 10th, altogether 63 mm. in 5 days.
Feb. 25–28.—Intermittent rain, 29 mm.
(February was an exceptionally wet month—129 mm. in all fell.)
Mar. 3.—19 mm. fell, mostly between 04h. and 20h.
May 11–17.—Intermittent rain, 66 mm. in all, 19 mm. of which fell on 11th.
May 25–26.—More or less continuous rain, 39 mm. in all.
} (May was also a very wet month—119 mm. fell.)
July 7.—Thunderstorm ; 14 mm. of rain fell at a rate of 7·2 mm. per hour ; 5 mm. fell in 18 minutes.
July 10.—Thunderstorm ; 16 mm. of rain fell at a rate of 7·6 mm. per hour ; 5 mm. fell in 5 minutes.
Aug. 29–30.—Continuous fall 19h. on 29th to 17h. on 30th, 30 mm. in all.
Oct. 21–29.—Intermittent rain, 63 mm. in all.
Nov. 15–19.—Intermittent rain, 50 mm. in all.
Dec. 29–30.—Nearly continuous rain, 19 mm. in all.

Dry Periods :—

Mar. 13–31.—No rain for first 9 days, and only 2·5 mm. for 18 days.
May 2–6.—No rain for 5 days.
May 27–July 6.—No fall reached 5 mm., the total fall being 24 mm. in 41 days.
Sept. 5–12.—In these 8 days the total fall was only 0·8 mm.

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

59. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **January, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	·3	1·3	1·8	·8	·7	·1	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	6·0	5·0
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·3	...	...	...	1·0	0·9
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	(·1)	...	·8	1·1	1·9	3·1	1·1	·8	·3	1·9	2·0	1·3	·6	·1	...	...	...	...	15·1	9·7
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	·9	2·4	1·0	·6	·5	·4	·3	·6	·1	...	...	...	...	...	...	·6	·7	·4	·5	...	...	...	...	...	9·0	10·9
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	·7	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·7
10	...	...	...	...	...	...	...	...	...	...	1·1	1·1	·3	·2	...	...	...	·2	·2	...	...	...	...	...	3·1	3·2
11	...	...	...	...	·1	·1	...	...	...	...	·2	·1	·1	...	...	...	...	...	·1	...	...	...	...	...	0·7	1·2
12	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·2
13	...	...	...	...	...	...	...	...	...	...	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·2
14	...	...	...	...	...	·8	·6	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	0·9
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	...	...	...	0·4	0·5
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	·5	·3	(·4)	(·5)	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	1·9	(2·3)
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	·3	·6	·3	·5	...	...	·1	...	...	...	...	...	...	1·8	1·9
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	1·1	·1	...	...	·1	...	...	·1	·4	...	2·7	2·8
28	·1	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1
29	...	...	...	·1	·1	...	·1	·6	·5	·2	·1	·2	·2	·3	·1	·4	·8	·6	·5	·4	·2	·1	...	·1	5·6	7·2
30	·1	·2	·5	·2	·3	...	·1	·2	·1	...	...	...	...	·2	1·1	1·2	·1	...	...	...	...	...	...	...	4·3	5·7
31	...	...	...	...	...	...	...	...	...	...	...	·8	·1	·3	·2	...	...	...	...	...	...	...	...	...	1·4	1·2
Sum.	1·4	3·9	3·3	2·4	1·9	2·0	1·9	1·8	2·4	1·3	4·0	5·8	3·4	3·0	3·3	4·2	3·6	2·7	2·2	1·3	0·7	0·2	0·4	0·1	57·2	55·8
Total Duration.	hr. 1·6	hr. 2·2	hr. 3·0	hr. 2·8	hr. 2·4	hr. 2·3	hr. 2·4	hr. 2·6	hr. 2·5	hr. 1·3	hr. 3·5	hr. 3·3	hr. 3·4	hr. 3·6	hr. 3·5	hr. 3·1	hr. 2·7	hr. 2·9	hr. 3·2	hr. 1·5	hr. 1·0	hr. 0·3	hr. 0·5	hr. 0·2	hr. 55·8	

60. Aberdeen : H_r = 14·0 metres + 0·6 metres. **February, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·6	·6	·1	1·7	1·5
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	0·3	0·8
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	...	...	...	0·4	0·6
6	...	...	...	...	...	...	...	...	...	·2	·6	·9	3·3	4·2	1·0	•6	1·4	1·2	·6	·4	·9	·7	·6	1·1	17·7	13·0
7	·4	·1	...	...	...	...	...	...	...	...	...	...	3·4	3·4	2·2	1·8	...	...	...	·1	...	...	...	...	11·4	4·8
8	...	...	...	·8	1·2	1·6	1·4	3·5	5·0	3·0	3·4	·4	·1	·4	...	...	...	...	...	...	·1	...	·1	·1	21·1	8·2
9	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4
10	...	...	...	...	...	...	...	...	...	·6	·7	·7	1·5	1·5	1·3	·9	1·1	·9	1·5	·7	·5	·1	·1	·1	12·2	12·8
11	...	...	·1	...	·3	·2	...	·1	...	...	·1	·9	·4	·5	·4	1·2	1·1	·3	...	...	...	...	...	·5	6·1	7·8
12	·4	·9	·8	1·7	2·9	·6	...	...	...	...	·1	...	...	...	...	...	·1	...	...	...	...	...	...	...	7·5	4·6
13	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·3	·7	·4	·6	·4	·1	·1	...	...	...	2·8	5·1
14	...	·1	...	...	...	...	...	...	·4	·2	·3	·5	·1	·1	...	...	...	...	...	·1	...	...	·1	...	1·9	2·4
15	...	...	·7	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	·1	...	...	...	...	...	...	1·1	1·2
16	...	...	·1	·5	·6	·8	·4	·2	·5	·1	·3	...	...	·2	1·0	·8	·8	·8	·3	·1	...	·1	·1	·2	7·9	12·1
17	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	(·3)	(·2)	(...)	(·1)	(·1)	(...)	(...)	(·1)	(...)	(·2)	(·1)	(·1)	(·1)	(·1)	(·2)	(1·7)	(3·0)
21	(·3)	(·3)	(·3)	(·3)	(·3)	(...)	(...)	(·1)	(·1)	(·1)	(·1)	·1	...	·3	·2	·2	·2	·2	·1	...	...	...	...	...	(3·2)	(8·1)
22	·1	...	...	...	...	...	...	·8	...	...	...	·7	·1	...	...	...	...	...	...	...	...	...	...	...	1·7	1·6
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·3
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·3	·3	·1	...	...	0·9	0·8
25	...	...	·3	...	·1	...	...	...	·2	·2	·2	·2	·2	·1	·3	·7	·4	1·1	·9	·4	·2	·4	·7	·6	7·2	10·8
26	1·3	·3	...	...	...	...	·2	...	...	...	·2	...	...	·2	1·2	1·6	1·4	1·2	·9	·1	...	...	...	...	8·6	7·3
27	...	...	...	...	...	·2	·4	·2	·1	·3	1·1	1·3	·3	...	...	...	...	...	·1	·8	·8	·7	·2	...	6·5	7·4
28	·1	...	·2	1·0	1·1	...	...	...	...	...	...	·1	·1	·7	·9	1·5	·6	·3	...	...	...	...	...	·2	6·8	5·6
Sum.	2·6	1·7	2·6	4·3	6·5	3·5	2·4	4·9	6·6	4·9	7·1	5·9	9·7	11·8	9·0	10·1	7·5	7·2	4·9	3·4	3·3	3·1	2·8	3·2	129·0	121·1
Total Duration.	hr. 3·1	hr. 1·9	hr. 2·8	hr. 3·6	hr. 5·5	hr. 3·2	hr. 2·0	hr. 2·9	hr. 3·8	hr. 4·4	hr. 5·6	hr. 6·9	hr. 5·3	hr. 7·6	hr. 8·9	hr. 9·7	hr. 8·1	hr. 8·4	hr. 6·0	hr. 5·2	hr. 4·6	hr 3·9	hr. 3·4	hr. 4·3	hr. 121·1	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

61. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **March, 1923.**

Day	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	·1	·1	·1	...	·1	·1	·2	·1	...	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	1·3	1·8
2	...	...	...	...	...	...	1·0	1·2	·3	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	3·1	2·8
3	·2	·3	...	...	·1	·3	·2	·9	·8	1·6	1·7	1·9	1·7	1·3	2·4	1·6	2·5	1·2	·6	·1	...	...	...	...	19·4	13·8
4	...	...	...	...	...	...	...	...	...	...	...	(·2)	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5
5	...	...	...	...	...	...	...	...	...	·1	·1	·2	·1	...	...	...	...	·2	·4	...	...	...	...	...	1·1	1·7
6	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·1	...	...	...	...	...	...	...	...	0·2	0·4
7	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	2·6	3·8	1·9
8	·7	·6	·3	·3	...	...	...	...	·4	1·2	·2	...	...	...	...	...	·1	...	...	...	...	...	...	...	3·8	3·3
9	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	·1	·1	...	...	...	0·5	1·0
10	·2	...	...	...	...	...	...	...	·1	...	·4	...	...	...	...	...	...	...	...	...	...	·6	...	...	1·3	1·3
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·1
12	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	2·0	·3	1·5	2·3	·2	...	...	7·9	4·0
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	(≡)	(≡)	(·1)	(≡)	(≡)	(·1)	(≡)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	(1·0)
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	·1	·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·2
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	·1	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·3	0·4
28	...	...	·1	...	...	...	·1	·6	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	1·4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	1·3	1·1	0·6	0·5	0·1	0·5	1·5	3·0	2·5	3·5	3·0	2·8	2·1	1·3	2·4	1·7	**3·9**	3·4	1·3	1·7	2·4	0·8	1·1	2·7	45·2	36·6
Total Duration.	hr. 1·5	hr. 1·0	hr. 1·0	hr. 0·6	hr. 0·3	hr. 1·4	hr. 2·1	hr. **3·0**	hr. 2·7	hr. 2·9	hr. 2·4	hr. 2·6	hr. 1·9	hr. 1·0	hr. 1·0	hr. 1·1	hr. 1·8	hr. 2·3	hr. 1·6	hr. 1·2	hr. 0·6	hr. 0·7	hr. 0·8	hr. 1·1	hr. 36·6	

62. Aberdeen : H_r = 14·0 metres + 0·6 metres. **April, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	·4	·3	·5	1·0	·8	·9	·7	1·0	2·4	1·9	·8	·9	·1	11·7	10·7
2	·1	·5	·1	...	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	·1	·2	·1	·1	...	...	...	1·5	2·7
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	...	...	·1	0·5	0·9
7	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	·2	·7	1·2	·4	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	2·8	3·8
11	...	...	...	...	...	...	...	1·2	2·4	1·3	·4	·1	...	...	...	...	...	·1	...	...	...	...	...	...	5·5	3·3
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·3	·1	...	...	...	...	...	...	1·5	1·0
13	(≡)	(≡)	(·1)	(≡)	(≡)	(·1)	(≡)	...	...	...	...	...	...	...	...	1·5	·7	·1	...	...	...	...	...	...	2·5	(2·2)
14	...	...	...	...	...	...	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	·1	0·5	1·2
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	·1	...	...	...	...	...	...	0·5	0·6
21	...	...	...	...	...	...	...	...	·1	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·6
22	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
23	...	...	...	·4	·1	·1	·1	·1	·1	...	...	...	...	...	·2	·5	·2	·1	...	(·2)	(·2)	...	(·2)	...	(2·5)	(4·1)
24	(·1)	(·2)	...	...	(·2)	(·2)	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·3	...	(1·1)	(2·1)
25	·1	...	·3	1·3	1·6	·7	1·2	·9	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·3	6·0
26	...	...	...	·2	·3	·2	...	...	...	...	...	...	·1	·2	...	·1	...	·7	·3	·1	...	·2	...	...	2·4	3·5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	·1	...	...	...	2·8	0·5
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·5	...	·1	...	...	...	...	...	...	1·3	1·0
30	...	...	...	...	·2	·2	·3	...	...	...	...	...	...	...	...	...	·2	·7	...	...	...	...	...	...	1·6	2·7
Sum.	0·3	0·7	0·6	2·0	2·4	1·6	1·9	3·4	4·3	2·2	0·6	0·6	0·4	0·7	1·9	3·8	3·4	2·8	1·6	**5·7**	2·5	1·2	1·5	0·3	46·4	48·0
Total Duration.	hr. 1·0	hr. 1·1	hr. 1·1	hr. 2·2	hr. 2·7	hr. 3·1	hr. 2·3	hr. **3·6**	hr. **3·6**	hr. 2·4	hr. 0·9	hr. 0·4	hr. 0·7	hr. 1·0	hr. 1·8	hr. 2·6	hr. 3·4	hr. 2·7	hr. 2·3	hr. 2·8	hr. 2·0	hr. 1·8	hr. 1·9	hr. 0·6	hr. 48·0	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

63. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **May, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	·1	...	·1	...	·1	...	...	...	...	...	...	·1	...	...	·1	...	·2	...	...	...	...	...	...	0·7	1·2
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·1	...	...	...	...	...	...	...	0·8	0·6
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	...	...	...	...	...	...	...	...	0·9	0·6
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·4	...	·1	·5	...	...	...	...	2·8	1·9
10	...	·1	...	...	...	...	...	...	...	...	...	...	...	·6	·6	·6	·3	...	·1	...	...	...	...	...	2·3	2·2
11	...	...	...	...	...	...	·6	·1	·8	·8	2·6	3·6	1·2	·3	...	·7	1·2	·8	2·3	1·4	1·4	·6	·1	·5	19·0	13·1
12	·7	·5	·2	·2	·1	·1	·2	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·2	2·3	6·0	5·1
13	·5	...	...	...	...	2·2	·6	·4	·4	·4	·4	...	·3	...	...	...	...	...	...	...	...	·1	1·4	·5	7·2	4·4
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	0·2	0·2
15	...	...	·2	1·7	2·4	1·5	·5	1·3	·1	...	...	...	...	...	...	...	...	1·6	·7	·7	·7	·9	·7	·2	13·2	10·1
16	·1	·2	·1	·6	...	...	...	...	...	...	1·1	1·0	·1	...	...	...	...	...	·1	·6	...	...	...	...	3·9	4·1
17	...	...	...	·1	·4	...	·3	...	1·6	4·0	3·6	1·8	2·7	1·2	·6	...	·1	...	·1	...	...	...	...	...	16·5	7·9
18	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	·2	·1	·1	...	·1	...	...	...	...	...	0·6	1·0
19	...	...	...	·1	...	...	...	...	...	...	...	·1	...	...	·1	·3	·3	1·1	·1	·1	·1	·1	·1	·1	2·6	3·5
20	...	...	·1	...	·1	·1	·1	...	...	...	...	·4	...	...	...	...	...	·1	...	...	...	...	...	...	0·9	1·9
21	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	·1	...	0·2	0·4
22	·1		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
23	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	...	...	...	1·6	0·2
25	...	...	...	...	...	...	...	·4	·3	·7	·7	·8	·7	1·7	2·7	2·1	1·2	2·5	2·0	·7	1·9	1·9	1·2	·9	**22·4**	**13·3**
26	1·9	1·2	·1	...	...	·6	1·3	1·0	·1	·3	...	...	·2	·3	·3	2·6	·1	·9	·1	...	·8	4·4	...	·1	16·3	11·1
27	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·8
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	3·3	2·3	0·7	2·8	3·1	4·6	3·7	3·3	3·3	6·5	8·4	7·8	5·3	4·1	4·5	**8·9**	4·8	7·2	5·7	4·0	6·5	8·5	4·8	4·7	118·8	84·5
Total Duration.	hr. 2·8	hr. 2·1	hr. 1·0	hr. 2·4	hr. 1·6	hr. 2·5	hr. 3·6	hr. 2·4	hr. 2·4	hr. 4·4	hr. 3·5	hr. 4·5	hr. 3·7	hr. 3·6	hr. 3·1	hr. **5·7**	hr. 4·3	hr. 4·4	hr. 4·4	hr. 4·3	hr. 4·3	hr. 4·7	hr. 4·6	hr. 4·2	hr. 84·5	

64. Aberdeen : H_r = 14·0 metres + 0·6 metres. **June, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	·1	...	...	·2	·3	·2	·2	·1	...	...	·4	·1	...	...	...	·1	0·1	1·0
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·9	**5·1**
5	·1	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	·4	1·9	·7	·3	...	...	...	...	...		
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	·1	...	...	...	·8	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	·6	...	...	...	1·1	3·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·7
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	·4	·3	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	1·0	1·9
12	...	...	...	...	...	...	...	...	·1	·3	1·3	...	·7	...	...	...	...	...	·1	...	...	...	...	...	2·5	2·7
13	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	0·5	0·4
14	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	·4	0·6	0·6
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·2	0·7
17	·3	·1	...	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·4
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·1	·3	...	...	...	...	...	·1	0·7	1·1
20	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	·1	·3	·1	...	...	...	...	·2	·6	·7	·4	·2	...	...	...	...	...	...	...	2·6	4·3
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·1	1·2	·5	·1	...	...	...	...	...	**4·1**	2·5
Sum.	1·0	0·1	0·0	0·1	1·2	0·3	0·7	0·6	0·3	0·3	1·4	0·3	1·2	1·2	1·3	3·0	**3·8**	1·5	1·1	0·1	0·6	0·0	0·0	1·9	22·0	30·0
Total Duration.	hr. 2·4	hr. 0·2	hr. 0·0	hr. 0·3	hr. 1·6	hr. 0·6	hr. 1·4	hr. 1·7	hr. 1·1	hr. 0·6	hr. 1·8	hr. 0·7	hr. 1·6	hr. 2·0	hr. 2·0	hr. 1·9	hr. **2·5**	hr. 2·2	hr. 1·7	hr. 0·5	hr. 0·7	hr. 0·0	hr. 0·0	hr. **2·5**	hr. 30·0	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

65. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **July, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	...	...	...	...	0·7	1·4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	0·5	0·5
6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·8	9·9	·1	...	...	13·8	1·8
8	...	...	...	...	...	...	...	1·6	·2	...	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	2·3	1·6
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	·6	·1	...	3·3	9·9	1·7	...	...	...	...	...	...	...	...	**15·6**	2·4
11	...	...	...	...	...	...	...	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·8
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	·1	0·4	2·8
16	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·2	1·7	·1	·7	...	·3	·5	...	...	...	3·7	2·7
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·2
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	·2	1·2	·7	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	2·0
23	...	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·9	1·4
24	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	·2	...	...	...	...	1·0	1·4
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	1·2	·7	·9	·1	...	...	...	...	...	...	...	...	2·9	1·8
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	·1	·5	·6	·6	·3	...	·1	·1	...	...	...	...	...	·1	·7	·2	...	...	...	...	3·3	**3·6**
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	·2	...	·3	·2	...	...	...	1·2	2·1
30	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	·6	·1	...	...	...	...	...	...	...	...	1·0	0·8
31	·1	...	·2	...	·1	...	·2	(·1)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	(1·7)
Sum.	0·3	0·5	1·0	1·3	0·9	1·0	1·2	2·8	0·8	0·0	0·7	0·7	1·4	4·0	**11·6**	4·0	0·4	1·2	1·4	4·8	10·6	0·4	0·1	0·6	51·7	29·7
Total Duration.	hr. 0·7	hr. 0·5	hr. 1·5	hr. 1·1	hr. 1·1	hr. 1·2	hr. 1·4	hr. **2·4**	hr. 1·0	hr. 0·0	hr. 0·5	hr. 0·8	hr. 0·9	hr. 1·0	hr. 2·0	hr. 2·0	hr. 1·2	hr. 1·0	hr. 1·6	hr. 2·3	hr. 1·8	hr. 1·4	hr. 1·0	hr. 1·3	hr. 29·7	

66. Aberdeen : H_r = 14·0 metres + 0·6 metres. **August, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	·5	...	...	...	...	...	...	...	...	2·6	0·8
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·9	·3	...	·7	2·0	2·8	6·8	3·5
3	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·7
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·1	·1	0·5	1·1
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	·4	·6	1·6	2·7	1·9	·8	·4	·1	...	...	...	...	·1	1·2	·4	...	...	·1	...	10·3	7·2
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	0·3	0·2
9	...	...	...	1·0	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	1·3
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·2
13	...	...	...	...	...	...	...	...	1·3	3·2	1·0	...	...	·8	...	...	...	...	...	...	...	...	...	...	6·3	2·5
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	·5	...	...	...	...	...	...	0·8	0·6
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·0	·1	...	...	...	...	·2	2·4	1·4
17	·4	1·0	1·1	·1	1·6	·9	·6	...	·1	...	...	...	...	...	1·1	3·1	1·1	·3	·4	...	·2	·3	·2	·1	12·6	10·0
18	...	...	·1	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
19	...	...	·1	·4	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	2·2
20	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·2	0·5
21	1·1	·8	1·5	1·7	1·0	·7	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·1	5·9
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·6	2·3	4·4	1·8	11·2	4·1
24	·3	...	...	...	...	...	...	...	...	·1	·3	...	·6	·6	·3	...	...	·1	...	...	...	...	...	...	2·3	3·0
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	·2	·2	·3	·9	...	·2	2·9	3·2
26	3·1	·1	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	3·6	1·2
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	0·1	0·1
28	...	...	...	...	...	...	...	...	...	...	...	·3	...	1·1	·1	...	...	...	...	...	...	...	...	...	1·5	0·8
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·2	·6	1·4	1·4	5·2	4·6
30	1·1	1·5	2·2	1·8	2·4	2·6	3·3	2·0	1·4	·7	·5	1·2	1·7	·5	·8	·5	·3	...	...	...	...	...	...	...	**24·5**	**16·1**
31	...	·2	...	...	·7	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	1·4
Sum.	6·6	3·6	5·0	5·0	6·5	5·5	4·8	3·7	5·5	5·9	2·6	1·9	2·4	3·5	4·6	4·1	1·5	4·3	2·8	1·7	4·7	5·0	**8·2**	6·7	106·1	73·1
Total Duration.	hr. **4·5**	hr. 3·4	hr. 3·5	hr. 4·0	hr. 4·3	hr. 4·2	hr. 2·6	hr. 2·3	hr. 2·6	hr. 3·2	hr. 2·9	hr. 2·0	hr. 1·8	hr. 2·9	hr. 2·8	hr. 2·0	hr. 1·3	hr. 3·1	hr. 1·6	hr. 2·3	hr. 3·4	hr. **4·5**	hr. 3·8	hr. 4·1	hr. 73·1	

G M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

67. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **September, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0·24
	mm	mm	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·1	4·6	1·5	·9	...	...	...	...	...	...	...	8·5	2·7
2	...	...	1·9	1·4	1·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·3	1·1	1·8	2·2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13·8	7·6
4	3·3	1·9	2·2	·7	1·8	2·1	1·2	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·1	...	...	...	...	0·7	0·8
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	0·2
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	·4	·6	1·1	·5	·7	3·0	1·3	·7	·2	·4	·2	·8	·9	10·8	10·9
14	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	1·1
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	·4	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	1·0
17	...	...	...	...	...	...	...	...	...	...	·3	·3	...	·1	1·0	3·4	2·7	1·2	1·5	·9	·7	·6	·8	·8	**14·3**	**11·7**
18	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·2	...	...	...	·1	0·7	0·7
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	·1	·2	·4	·6	·6	...	·1	...	...	...	·1	...	...	...	·1	...	...	...	...	...	2·2	3·8
22	...	...	...	·6	2·4	2·2	1·1	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	·1	6·7	3·1
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·3	...	...	...	...	...	...	1·9	0·6
24	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·5	...	...	...	...	...	...	...	...	...	0·8	0·6
25	...	...	...	·2	1·3	1·5	2·0	1·5	1·6	1·6	·2	...	...	...	...	...	...	...	...	...	...	·1	1·8	...	11·8	7·2
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	1·4	5·9	2·7	1·4	·2	...	...	...	...	...	...	...	...	...	...	11·6	3·8
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	...	·6	...	...	...	...	...	...	1·0	1·0
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	4·3	2·0	4·1	2·9	**7·9**	6·8	4·7	2·7	2·2	3·0	6·5	3·4	2·4	3·0	6·8	5·8	7·2	4·7	3·3	1·4	1·1	1·3	3·7	3·0	94·2	62·1
Total Duration.	hr. 2·2	hr. 1·3	hr. 2·0	hr. 2·8	hr. 4·1	hr. **4·2**	hr. 3·2	hr. 2·6	hr. 1·7	hr. 1·4	hr. 1·8	hr. 2·8	hr. 2·3	hr. 2·5	hr. 3·3	hr. 2·9	hr. 2·8	hr. 3·1	hr. 3·2	hr. 1·8	hr. 1·9	hr. 2·3	hr. 2·6	hr. 3·3	hr. 62·1	

68. Aberdeen : H_r = 14·0 metres + 0·6 metres. **October, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	·1	...	...	·5	...	·4	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	0·9
5	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	·1	...	...	...	...	·2	·2	·2	...	...	...	...	...	...	...	·1	...	...	...	...	...	·4	·1		1·3	1·5
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·7	3·2	1·7	5·9	3·5
9	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		0·3	0·5
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...		0·1	0·2
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·1	1·9	3·5	3·8	1·4		11·5	4·4
13	·2	·8	·4	...	...	...	·3	·1	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...		2·6	2·6
14	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	...	...	...	...	...	...	...	...		0·4	0·7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...
16	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		0·3	0·8
17	·1	...	...	...	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		0·9	0·8
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1		0·3	0·4
19	...	...	...	...	...	...	·3	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...		0·9	1·5
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...
21	...	...	...	...	1·2	5·3	1·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		8·4	2·4
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...		0·1	0·2
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·3	·9	1·5	·1	1·0	3·1	1·4	9·9	6·2
24	1·2	·9	·6	·7	·9	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		4·7	5·4
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...
26	...	...	...	...	...	...	...	...	2·1	3·5	2·3	·9	...	...	...	...	...	...	...	...	...	...	...		8·8	3·7
27	...	...	...	...	...	·2	1·2	1·4	3·2	2·2	·1	1·0	1·7	1·2	·1	...	...	...	...	...	...	...	·4		**12·7**	**8·0**
28	...	·5	1·3	·4	6·3	...	...	...	...	·1	·5	...	...	...	...	...	...	...	...	...	...	...	...		9·1	2·3
29	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·8	·4	·7	·1	...	...	3·3	3·1		9·1	5·7
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...
Sum.	2·4	2·5	2·3	1·1	9·8	6·2	4·5	2·1	6·0	6·2	2·9	1·9	2·1	1·3	0·7	0·9	1·0	2·1	1·8	1·7	2·3	8·5	**13·8**	5·1	89·2	52·7
Total Duration.	hr 3·3	hr. 2·7	hr. 1·6	hr. 1·3	hr. 3·3	hr. 2·5	hr. 3·8	hr. 1·6	hr. 2·5	hr. 2·6	hr. 1·5	hr. 1·7	hr. 1·5	hr. 1·2	hr. 1·3	hr. 0·9	hr. 1·4	hr. 2·2	hr. 1·7	hr. 1·2	hr. 1·4	hr. 3·6	hr. **4·4**	hr. 3·5	hr. 52·7	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

69. Aberdeen : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 14·0 metres + 0·6 metres. **November, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	·2	·1	·5	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	·4	·7	·8	4·2	4·4
3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	...	...	...	...	...	...	...	...	...	...	...	0·1	(0·2)
6	...	...	...	·1	·1	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·5	·5	·3	3·4	3·4
7	·9	·5	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	2·2
8	...	...	...	·5	·1	·1	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	2·0
9	...	...	...	(·1)	...	...	...	·2	1·6	·3	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	2·3	(2·1)
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	·7	·7	...	...	...	...	...	...	...	...	...	...	1·4	1·4
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	·3	·8	·7	...	...	...	...	...	·2	·4	·2	·5	·3	·1	·6	1·0	...	5·1	6·9
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	...	...	...	...	...	...	...	...	0·5	0·3
15	...	...	...	...	...	...	...	...	...	...	...	·3	·2	·8	2·3	2·7	1·7	2·0	2·8	·5	...	·2	...	·2	**13·7**	7·4
16	2·0	2·2	2·6	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·3	3·7
17	·7	1·0	...	...	...	...	...	·8	1·1	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·5	3·7
18	...	...	...	...	...	...	1·0	·5	·6	·5	·3	·1	...	...	...	·7	1·8	1·7	·8	...	·1	...	2·2	1·0	11·3	**9·3**
19	1·3	1·6	...	...	...	·1	·6	·1	...	·6	·1	·3	1·4	·8	·2	·5	·7	·2	...	·4	2·7	·4	·1	1·3	13·4	8·6
20	·1	...	·1	...	·6	(·1)	...	...	...	...	...	...	...	·1	...	·3	...	...	...	...	...	...	...	·1	1·4	1·3
21	...	·4	...	·1	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	0·7	1·2
22	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	0·4	0·2
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	...	...	...	...	...	...	...	...	0·9	0·5
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	·8	1·4	·4	...	...	...	·6	·1	...	...	...	...	...	...	...	·4	...	...	...	·3	4·0	3·9
29	...	...	...	...	...	·1	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	1·0
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	·2	1·3	1·2
Sum.	5·1	**5·9**	3·3	1·8	1·7	2·2	2·2	2·0	4·3	3·0	1·1	0·8	2·5	2·9	2·7	5·7	4·6	4·1	4·1	1·6	4·7	3·1	5·6	4·2	79·2	65·0
Total Duration.	hr. 3·2	hr. 4·2	hr. 1·8	hr. 2·8	hr. 1·6	hr. 1·8	hr. 2·6	hr. 3·1	hr. **4·4**	hr. 3·5	hr. 1·8	hr. 0·7	hr. 2·2	hr. 3·3	hr. 1·4	hr. 3·4	hr. 3·4	hr. 2·9	hr. 2·4	hr. 1·7	hr. 2·8	hr. 2·0	hr. 4·3	hr. 3·7	hr. 65·0	

70. Aberdeen : H_r = 14·0 metres + 0·6 metres. **December, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	1·4	1·9	·7	1·1	2·4	4·0	·8	·1	...	...	...	...	...	...	...	...	...	...	...	...	12·4	6·6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·0	·5	·3	...	·1	·1	·1	·1	2·5	4·4
5	·1	·1	·7	·2	·1	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	2·1
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	·3	·4	2·2	2·3	·8	·2	2·1	·2	...	·1	8·9	6·2
8	1·4	...	...	...	...	...	...	...	·3	...	...	...	...	·2	·2	·1	·1	...	...	...	...	...	...	...	2·3	2·3
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·5	1·0	1·2	3·2	3·3
10	1·3	1·1	·3	...	·1	...	...	...	...	...	·3	1·3	·1	...	...	...	...	...	...	...	...	...	...	...	4·5	4·1
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	·1	·6	1·0	·9	1·4	3·0	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·8	5·6
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	·3	...	...	...	...	...	...	...	...	1·6	1·5
15	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·8	·3	1·8	2·7
16	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	0·4	2·0
17	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	...	...	·3	...	...	1·1	1·2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·5	...	...	(·1)	(·1)	(0·9)	(1·7)
19	(·1)	(·1)	(·1)	(·1)	(·1)	(·1)	...	...	...	...	·1	·1	...	...	...	...	...	·9	·9	·5	...	·7	1·7	1·1	(6·5)	(5·8)
20	·1	·1	·3	(·1)	(·2)	(·1)	(·1)	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	1·3	(1·7)
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·6	1·1	1·2	·3	3·5	4·9
22	1·2	1·2	2·0	2·0	2·1	1·0	·8	·3	...	...	...	...	...	...	...	·1	·3	...	...	...	·4	...	...	...	11·4	8·2
23	...	...	...	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	2·1
24	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	(0·7)
25	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	(·1)	(·1)	(·2)	(·2)	(·2)	(0·9)	(2·8)
26	(·2)	(·2)	(·2)	(·2)	(·2)	(·2)	(·2)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·1	·4	(2·5)	(5·4)
27	·8	1·6	·7	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·6	·2	...	...	...	...	...	4·0	3·9
28	...	...	...	·3	...	1·2	2·1	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·1	2·4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(·3)	(·6)	(1·0)	(1·0)	(1·1)	(1·1)	(5·1)	5·5
30	(1·0)	(1·0)	(1·0)	(1·0)	(1·0)	(·8)	(·7)	·6	·4	·2	·2	·6	·6	1·0	1·1	1·0	·7	·2	·5	·1	·1	...	·3	·1	(**14·2**)	**23·0**
31	...	...	...	...	...	...	...	...	...	...	...	...	·6	·4	·1	...	...	·4	·1	...	...	(·1)	...	...	1·7	3·5
Sum.	6·4	6·1	6·3	4·8	7·1	**8·4**	5·5	2·6	4·6	4·2	1·4	2·1	1·3	1·6	3·0	2·2	4·3	5·8	3·6	2·4	4·9	5·2	6·6	5·0	105·4	113·6
Total Duration.	hr. 6·7	hr. 6·3	hr. 5·5	hr. 4·3	hr. 6·0	hr. 6·1	hr. 6·2	hr. 3·6	hr. 4·2	hr. 2·0	hr. 1·9	hr. 2·4	hr. 2·1	hr. 2·3	hr. 3·1	hr. 2·8	hr. 3·4	hr. 5·3	hr. 6·6	hr. 5·6	hr. 5·5	hr. 6·4	hr. 7·5	hr. **7·8**	hr. 113·6	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

For periods of sixty minutes, between the exact hours of Local Apparent Time.

71. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **January, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	·7	1·0	1·0	1·0	·9	...	...	—	—	—	—	—	4·6	69
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
3	—	—	—	—	—	...	·1	1·0	...	...	...	·1	...	—	—	—	—	—	1·2	18
4	—	—	—	—	—	...	·4	1·0	1·0	1·0	·8	·5	...	—	—	—	—	—	4·7	69
5	—	—	—	—	—	...	...	...	...	...	....	...	...	—	—	—	—	—	...	...
6	—	—	—	—	—	...	·3	1·0	1·0	1·0	1·0	...	...	—	—	—	—	—	4·3	62
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
8	—	—	—	—	—	...	·8	1·0	1·0	·8	1·0	·8	...	—	—	—	—	—	5·4	**78**
9	—	—	—	—	—	...	·8	1·0	1·0	1·0	·3	...	...	—	—	—	—	—	4·1	59
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
11	—	—	—	—	—	...	...	·2	·1	·6	1·0	·1	...	—	—	—	—	—	2·0	28
12	—	—	—	—	—	...	...	...	...	...	...	·3	...	—	—	—	—	—	0·3	4
13	—	—	—	—	—	...	...	...	...	·5	·6	·5	...	—	—	—	—	—	1·6	22
14	—	—	—	—	—	...	·8	1·0	1·0	1·0	·7	...	...	—	—	—	—	—	4·5	63
15	—	—	—	—	—	...	·8	·2	...	·4	...	...	...	—	—	—	—	—	1·4	19
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
17	—	—	—	—	—	...	·3	1·0	1·0	1·0	·2	...	...	—	—	—	—	—	3·5	47
18	—	—	—	—	—	...	·9	1·0	1·0	1·0	·6	...	...	—	—	—	—	—	4·5	61
19	—	—	—	—	—	...	...	...	·1	·1	·1	...	...	—	—	—	—	—	0·3	4
20	—	—	—	—	—	...	·1	·1	·3	·3	·1	...	...	—	—	—	—	—	0·9	12
21	—	—	—	—	—	...	...	·6	·2	·4	1·0	1·0	·3	—	—	—	—	—	3·5	46
22	—	—	—	—	—	·3	1·0	·5	...	...	...	...	...	—	—	—	—	—	1·8	23
23	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
24	—	—	—	—	—	...	·3	·2	1·0	·5	...	·6	·6	—	—	—	—	—	3·2	41
25	—	—	—	—	—	·3	1·0	1·0	1·0	1·0	·8	·3	·3	—	—	—	—	—	**5·7**	72
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
30	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
31	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
Sum.	—	—	—	—	...	0·6	8·3	**11·8**	10·7	11·6	9·1	4·2	1·2	...	—	—	—	—	57·5	—
Mean.	—	—	—	—	...	·02	·27	**·38**	·35	·37	·29	·14	·04	...	—	—	—	—	1·85	25

72. Aberdeen : h_S 20·7 metres. **February, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	·1	·6	1·0	1·0	1·0	1·0	...	...	—	—	—	—	4·7	57
2	—	—	—	—	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	**7·5**	**89**
3	—	—	—	—	...	·5	·9	·7	1·0	·5	·8	·2	...	...	—	—	—	—	4·6	54
4	—	—	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	—	—	—	—	7·2	84
5	—	—	—	—	...	...	...	·2	·2	·4	...	...	...	...	—	—	—	—	0·8	9
6	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
9	—	—	—	—	...	...	·9	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	—	6·4	72
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
11	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
12	—	—	—	—	...	...	...	...	...	·5	·5	...	...	...	—	—	—	—	1·0	11
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
16	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
18	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
19	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
20	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
21	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
23	—	—	—	—	...	...	·1	·4	...	...	...	...	...	...	—	—	—	—	0·5	5
24	—	—	—	...	...	...	...	·4	...	...	...	...	...	...	...	—	—	—	0·4	4
25	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
26	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
27	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
28	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
Sum.	—	—	—	...	...	1·9	4·0	5·3	5·2	**5·4**	5·3	4·2	1·8	...	...	—	—	—	33·1	—
Mean.	—	—	—	...	...	·07	·14	·19	·19	**·19**	·19	·15	·06	...	...	—	—	—	1·18	13

Hour. L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

73. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **March, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
2	—	—	—	...	...	...	...	...	...	·4	·4	·1	·7	...	...	—	—	—	1·6	15
3	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
4	—	—	—	...	·2	·6	·2	·9	·4	·6	·9	·4	...	...	...	—	—	—	4·2	39
5	—	—	—	...	...	...	...	...	...	...	...	·5	·6	...	...	—	—	—	1·1	10
6	—	—	—	...	...	...	...	...	...	...	...	...	...	·2	...	—	—	—	0·2	2
7	—	—	—	...	...	...	...	...	...	·5	·9	·8	·4	...	...	—	—	—	2·6	23
8	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
9	—	—	—	...	...	...	...	...	...	·3	·2	·3	·3	·3	...	—	—	—	1·4	13
10	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
11	—	—	—	...	...	...	·1	·9	·8	·5	...	...	...	...	...	—	—	—	2·3	20
12	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
13	—	—	—	...	·2	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·6	...	—	—	—	8·7	76
14	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	9·0	78
15	—	—	—	...	·1	...	...	...	...	...	...	...	...	...	...	—	—	—	0·1	1
16	—	—	—	...	...	...	...	...	·2	·9	1·0	·8	·3	...	...	—	—	—	3·2	27
17	—	—	—	...	...	...	...	...	·7	·9	·9	·7	1·0	...	...	—	—	—	4·2	35
18	—	—	—	...	...	·8	·6	·7	1·0	1·0	1·0	1·0	1·0	1·0	·3	—	—	—	8·4	71
19	—	—	—	...	...	...	...	·9	1·0	·9	·8	·4	...	...	...	—	—	—	4·0	33
20	—	—	...	...	...	·2	·4	·3	·1	...	·2	1·0	1·0	1·0	·1	...	—	—	4·3	36
21	—	—	...	...	...	·8	1·0	1·0	1·0	1·0	1·0	·8	·9	·9	...	...	—	—	8·4	69
22	—	—	...	...	...	...	·7	1·0	1·0	1·0	1·0	1·0	·9	·3	...	...	—	—	6·9	56
23	—	—	...	...	...	...	...	...	·1	·1	·1	·5	·4	...	...	...	—	—	1·2	10
24	—	—	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	—	—	0·2	2
25	—	—	...	...	·4	·6	1·0	1·0	1·0	1·0	1·0	·7	1·0	·1	...	...	—	—	7·8	62
26	—	—	...	·5	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	—	—	**10·0**	**79**
27	—	—	...	...	...	...	...	...	...	·1	·4	·1	...	·1	...	...	—	—	0·7	6
28	—	—	...	...	...	·2	...	1·0	1·0	·7	·2	...	·3	·2	...	...	—	—	3·6	28
29	—	—	...	...	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	—	—	8·3	64
30	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
31	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
Sum.	—	—	...	0·5	2·4	6·1	7·7	11·7	12·3	13·9	**14·1**	13·1	12·8	6·8	1·0	...	—	—	102·4	—
Mean.	—	—	...	·02	·08	·20	·25	·38	·40	·45	**·45**	·42	·41	·22	·03	...	—	—	3·30	28

74. Aberdeen : h_S = 20·7 metres. **April, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
2	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
3	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
4	—	—	...	...	...	...	·2	1·0	1·0	1·0	·5	...	...	...	...	...	—	—	3·7	28
5	—	—	...	...	...	...	...	·2	1·0	·6	·6	·4	...	...	...	...	—	—	2·8	21
6	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
7	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
8	—	—	...	...	...	·1	...	...	·2	·3	·4	·3	·2	...	...	...	—	—	1·5	11
9	—	—	...	...	...	...	·1	·1	·1	·2	·1	·1	·3	·1	·2	...	—	—	1·3	9
10	—	—	...	...	...	...	...	...	...	·2	·6	·9	·9	·1	...	...	—	—	2·7	20
11	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
12	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
13	—	—	...	...	·1	·1	·2	·2	·9	·9	·2	...	...	...	·2	...	—	—	2·8	20
14	—	...	...	...	...	...	...	...	...	·1	·2	·4	·9	·8	...	...	...	—	2·4	17
15	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
16	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
17	—	...	...	...	·2	·1	...	·1	·1	·3	1·0	1·0	1·0	1·0	·8	·3	...	—	5·9	41
18	—	...	·6	1·0	1·0	1·0	1·0	·8	·3	1·0	1·0	1·0	·9	·2	...	...	...	—	**9·8**	**68**
19	—	...	...	·2	...	·1	...	·2	·3	·8	·5	·6	·2	...	·2	...	...	—	3·1	21
20	—	...	...	...	...	...	·1	...	...	...	...	...	·1	...	...	·2	...	—	0·4	3
21	—	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	—	0·1	1
22	—	...	...	...	·5	·1	·2	·8	·9	1·0	1·0	·4	·1	...	...	...	...	—	5·0	34
23	—	...	...	·1	·4	·6	·4	·3	·9	·5	·9	1·0	·7	·8	·9	·6	...	—	8·1	54
24	—	...	·5	·9	·9	·7	·5	·9	1·0	1·0	·9	·4	·2	...	·3	...	...	—	8·2	55
25	—	...	...	...	...	·3	1·0	1·0	1·0	·2	·9	1·0	·5	...	...	...	...	—	5·9	39
26	—	...	...	...	...	...	...	...	...	...	·8	...	...	...	...	...	...	—	0·8	5
27	—	...	·9	1·0	1·0	1·0	·7	·6	·9	·6	·5	·1	...	...	...	...	...	—	7·3	48
28	—	·1	1·0	1·0	·9	1·0	1·0	·9	·8	·3	·8	·1	·7	·3	·5	...	...	—	9·4	62
29	—	·1	1·0	1·0	1·0	1·0	·9	·9	·8	·3	·4	·7	...	·2	·1	...	...	—	8·4	55
30	—	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	—	0·1	1
Sum.	—	0·2	4·0	5·2	6·1	6·1	6·3	8·0	10·2	9·3	**11·4**	8·4	6·7	3·5	3·2	1·1	...	—	89·7	—
Mean.	—	·01	·13	·17	·20	·20	·21	·27	·34	·31	**·38**	·28	·22	·12	·11	·04	...	—	2·99	21

Hour. L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

75. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **May, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	...	...	...	...	·1	·3	...	·4	·7	...	...	...	...	...	...	...	—	1·5	10
2	—	...	·2	·3	...	...	·1	·3	·5	·1	·9	1·0	1·0	1·0	1·0	1·0	...	—	6·4	41
3	—	...	...	·5	·7	·9	·5	·1	·3	·2	...	...	...	·2	...	...	...	—	3·4	22
4	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·2	—	**14·2**	**90**
5	—	...	...	·5	·6	1·0	1·0	1·0	1·0	·5	·5	·9	·8	·6	...	...	...	—	8·4	54
6	—	...	...	·2	·4	·1	...	...	·4	·6	·7	·5	·4	·7	·8	·9	...	—	5·7	36
7	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·4	·2	·4	·8	·3	...	—	11·1	70
8	—	·4	·9	·2	1·0	·8	·8	·8	1·0	·6	·6	·3	·3	·2	·4	·2	·2	—	8·7	54
9	—	·1	·9	·7	·6	·7	·9	1·0	·1	·2	...	...	...	...	...	...	...	—	5·2	33
10	...	...	·9	1·0	1·0	1·0	·8	·8	...	...	...	...	...	...	...	...	...	...	5·5	34
11	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	1
12	...	...	...	...	·2	·2	·7	·1	...	·1	...	·1	...	...	...	...	...	...	1·4	9
13	...	...	...	...	...	·4	·3	·3	·2	·3	·3	·2	·2	·5	...	...	...	...	2·7	17
14	...	·2	1·0	1·0	1·0	·7	·5	·8	...	·1	·4	·3	·1	·4	...	...	...	...	6·5	40
15	...	...	...	...	...	...	...	·5	1·0	·9	·6	...	·3	...	...	...	...	...	3·3	20
16	...	...	·1	·1	·2	·8	·1	...	...	·4	·3	·1	·3	·5	·5	...	...	...	3·4	21
17	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	...	·1	·2	...	0·5	3
18	...	·7	·9	·8	·6	·6	...	...	...	...	...	...	...	·2	...	·1	...	...	3·9	23
19	...	...	...	·3	·4	·6	·2	·1	·4	·7	·6	·3	·3	·3	...	·1	...	...	4·3	26
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	0·3	2
21	...	·7	1·0	·8	·5	·8	·6	·6	·7	·2	·5	·9	1·0	·7	·8	·5	·2	...	10·5	63
22	...	...	·7	·7	·3	...	...	·2	·1	·1	·7	·9	·9	·8	·7	·4	·2	...	6·7	40
23	...	...	·1	·1	·2	...	...	·8	·9	·8	1·0	·7	·7	·1	·1	·5	...	...	6·0	35
24	...	·7	·5	·3	·6	·7	·9	·6	...	...	...	...	...	...	...	...	...	...	4·3	25
25	...	·8	·5	·8	·5	·5	·6	·3	...	...	...	...	...	...	...	...	...	...	4·0	23
26	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·1	1
27	...	...	...	·3	·1	...	...	·3	·2	...	...	·8	·2	·4	·8	·8	·3	...	4·2	24
28	...	...	·3	·2	·1	·3	·7	1·0	·9	·9	1·0	1·0	1·0	1·0	1·0	·2	·1	...	9·7	56
29	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	1
30	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	1
31	...	...	...	...	...	...	...	...	...	...	...	·3	·9	·6	·5	1·0	1·0	·1	4·4	25
Sum.	...	4·4	10·0	11·0	11·0	**12·4**	10·9	11·4	10·1	9·8	8·9	9·6	9·6	9·6	8·4	6·8	2·6	0·1	146·6	—
Mean.	...	·14	·32	·35	·35	**·40**	·35	·37	·33	·32	·29	·31	·31	·31	·27	·22	·09	·00	4·73	29

76. Aberdeen : h_S = 20·7 metres. **June, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	...	...	·3	·2	·1	...	...	...	...	·1	·7	·7	...	...	...	2·1	12
2	...	...	...	...	·2	·8	1·0	1·0	1·0	1·0	·9	·9	·6	1·0	·5	...	...	...	8·9	51
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	·5	·5	·1	·2	·2	...	...	·1	·1	·5	·2	·3	...	...	2·7	15
5	...	...	·1	·2	·9	·2	...	...	...	...	...	...	...	...	...	...	...	...	1·4	8
6	...	·9	1·0	1·0	1·0	·8	·6	·5	·5	·8	·9	1·0	·9	...	...	·9	·7	...	11·5	65
7	·1	1·0	1·0	...	...	...	...	·6	·7	·2	·9	·1	·8	·9	1·0	·2	...	...	7·5	43
8	...	...	...	...	...	...	...	...	...	...	...	...	·5	·4	·8	...	...	...	1·7	10
9	...	·4	·6	·3	·3	·9	·4	1·0	·1	...	...	...	...	...	...	...	...	...	4·0	23
10	...	...	·9	·6	1·0	·9	1·0	1·0	·6	·5	·1	...	...	·1	...	·2	·2	...	7·1	40
11	...	...	...	·1	·5	·9	1·0	·8	1·0	1·0	·6	1·0	·8	·7	·2	·1	·8	...	9·5	54
12	...	...	...	...	...	...	...	·1	...	·1	·1	...	...	...	·3	1·0	·7	·1	2·4	14
13	...	...	·9	·4	·5	·8	1·0	·7	·4	·1	...	...	·2	·2	·3	...	...	...	5·5	31
14	...	...	·5	·4	·6	·3	·5	1·0	1·0	·9	·9	1·0	1·0	1·0	1·0	1·0	·9	...	**12·0**	**67**
15	...	...	·7	...	·6	·5	·5	·2	·4	·1	·1	...	...	...	...	...	...	...	3·1	17
16	...	·1	·4	·4	·6	·2	·1	·4	·2	·5	·9	·9	·8	·5	·6	·2	...	...	6·8	38
17	...	...	·1	·5	·4	...	...	·3	·5	·8	...	·1	...	...	...	...	...	...	2·7	15
18	...	...	...	...	...	·4	·5	·1	...	·4	1·0	1·0	·8	·4	·3	·1	...	·2	5·2	29
19	...	...	·1	·6	·3	·2	·5	·6	·7	·3	·3	...	...	...	·1	·1	...	...	3·8	21
20	...	...	...	...	...	...	...	·4	·9	1·0	·2	...	...	...	...	...	...	...	2·5	14
21	...	...	...	...	...	...	...	·2	·2	·1	·1	...	...	...	...	...	...	...	0·6	3
22	...	...	...	...	·3	·4	...	...	...	...	...	...	...	...	...	...	...	...	0·7	4
23	...	...	...	·3	·7	·5	·4	·3	·3	...	·5	·4	·2	·8	·7	...	...	...	5·1	28
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	·1	1·0	6
25	...	·4	·3	...	·1	·5	·5	·2	·4	·8	·8	·5	·8	·3	...	...	...	...	5·6	31
26	·2	1·0	1·0	·8	·3	·1	1·0	1·0	1·0	·6	·2	·3	1·0	·6	·7	·4	·3	·1	10·6	60
27	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·2	...	...	...	0·4	2
28	...	...	...	·1	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·1	...	...	9·8	55
29	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	0·2	1
30	...	...	...	·4	·9	...	...	·1	·1	·1	...	...	...	...	...	...	·1	...	1·7	10
Sum.	0·3	3·8	7·6	6·1	9·7	9·9	10·3	**11·8**	11·3	10·4	9·5	8·3	9·8	9·1	8·5	4·6	4·6	0·5	130·1	—
Mean.	·01	·13	·25	·20	·32	·33	·34	**·39**	·38	·35	·32	·28	·33	·30	·28	·15	·15	·02	4·34	26

Hour. L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

77. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **July, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	1
2	...	...	...	·1	·2	...	1·0	·9	·9	1·0	·6	·2	...	...	...	·1	·1	...	5·1	29
3	...	...	...	·2	·3	·4	·4	·2	·7	·8	1·0	·7	1·0	·7	·9	·8	...	·2	8·3	47
4	...	·8	1·0	·6	·8	·1	·6	1·0	·7	1·0	·2	·1	...	...	·4	·8	·7	...	8·8	50
5	...	...	...	...	·1	·1	·4	...	...	...	...	...	·4	·6	·3	·1	...	...	2·0	11
6	...	...	·2	·2	·8	·9	1·0	1·0	1·0	1·0	·5	...	...	·4	·8	...	...	...	7·8	44
7	...	...	·5	1·0	1·0	1·0	1·0	1·0	·7	...	·1	...	...	·1	...	...	...	...	6·4	36
8	...	...	...	...	...	...	...	...	...	·4	·1	·1	·7	...	...	...	...	...	1·3	7
9	...	·6	·5	·2	·1	·1	·1	·3	·9	1·0	1·0	·2	·2	·9	1·0	·9	...	...	8·0	46
10	...	...	·6	1·0	1·0	·9	·5	...	...	...	...	...	...	·4	...	...	...	...	4·4	25
11	...	...	...	...	...	...	...	...	...	·6	·8	...	...	·7	·5	·2	...	...	2·8	16
12	...	...	...	·1	1·0	·1	·1	...	...	·1	·6	·8	·1	·2	...	·1	·1	...	3·3	19
13	...	...	·1	·1	·2	·4	·2	·3	·6	1·0	1·0	·4	·7	·2	...	...	...	...	5·2	30
14	...	...	...	...	...	...	...	...	...	...	...	...	·6	·7	·4	·2	...	...	1·9	11
15	...	...	...	...	...	...	...	...	...	·1	·1	1·0	·6	·1	...	...	...	...	1·9	11
16	...	...	·1	...	...	·3	...	...	·8	·1	·6	·5	·6	1·0	·9	·4	·8	·3	6·4	37
17	...	·8	·8	·7	·5	·9	·9	·4	·6	·7	·9	·9	·8	·8	1·0	·2	·1	...	**11·0**	**64**
18	...	·3	·5	...	...	·1	...	·4	·3	...	·5	·3	·2	·4	·1	...	...	...	3·1	18
19	...	...	...	...	...	...	...	...	...	...	...	1·0	1·0	·4	·9	·8	·2	...	4·3	25
20	...	·6	·1	·1	·8	·6	1·0	1·0	·8	·9	·8	1·0	1·0	·5	...	...	...	...	9·2	54
21	...	·4	·7	·9	·9	·8	...	·6	·8	·2	...	...	...	...	...	...	...	...	5·3	31
22	...	...	...	...	...	...	...	·1	...	...	...	·1	...	...	...	...	...	...	0·2	1
23	...	...	·1	·8	1·0	·1	·7	·2	·8	·2	·4	·2	...	·4	·4	...	...	...	5·3	32
24	...	...	·1	·2	·6	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	1·4	8
25	...	·1	...	...	·7	·5	·2	·5	·2	·1	·1	·4	1·0	·4	·6	·8	·4	...	6·0	36
26	...	·2	·5	·5	·8	·9	·8	·8	...	...	...	...	·5	1·0	·7	·3	...	...	7·0	42
27	...	·1	·5	·9	·5	·5	·2	·1	...	1·0	·5	...	...	·1	...	...	...	...	4·4	27
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	·6	1·0	·7	...	·1	...	...	...	...	...	2·4	15
31	...	...	...	...	...	...	...	·5	·3	·4	·1	...	...	...	...	...	...	...	1·3	8
Sum.	...	3·9	6·3	7·6	11·3	8·9	9·3	9·5	10·7	**11·6**	10·6	7·9	9·5	10·0	8·9	5·7	2·4	0·5	134·6	—
Mean.	...	·13	·20	·25	·36	·29	·30	·31	·35	**·37**	·34	·25	·31	·32	·29	·18	·08	·02	4·34	25

78. Aberdeen : h_S = 20·7 metres. **August, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	...	...	·4	...	...	·7	·1	...	...	...	·5	·3	·7	·1	...	2·8	17
2	...	·4	1·0	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	12
3	—	...	...	...	·5	·1	·1	...	...	...	·2	·5	...	·2	·3	1·0	·4	—	3·3	20
4	—	·4	·6	1·0	1·0	1·0	·9	·9	·7	·2	·1	1·0	·8	·5	·8	·6	·6	—	**11·1**	**69**
5	—	...	...	·3	1·0	1·0	·8	...	...	·5	·8	·9	·8	·7	...	...	...	—	6·8	43
6	—	·1	1·0	1·0	1·0	·3	·6	1·0	·3	·2	·3	...	·2	...	...	·3	·4	—	6·7	42
7	—	...	...	...	...	...	...	...	...	·8	·3	·3	...	...	·3	...	...	—	1·7	11
8	—	...	·5	...	·5	·4	·2	...	·3	·2	...	...	...	...	...	...	...	—	2·1	13
9	—	...	...	...	...	·8	·9	·9	·4	1·0	·9	·2	·7	·4	·1	·7	·6	—	7·6	48
10	—	...	·9	·2	1·0	·9	·3	·1	·8	·5	·7	·9	·7	·3	·3	...	...	—	7·6	49
11	—	·4	1·0	·6	·2	·6	·6	·6	1·0	·8	·8	·7	·3	...	...	...	...	—	7·6	49
12	—	...	·1	...	·4	·1	·2	·5	·5	·5	·7	·2	·4	...	...	...	...	—	3·6	23
13	—	...	...	...	...	...	...	...	1·0	1·0	·6	1·0	1·0	1·0	1·0	·6	...	—	7·2	47
14	—	...	·2	·2	1·0	·7	·9	·9	·1	·1	·1	·4	·6	·5	·2	...	...	—	5·9	39
15	—	...	·9	1·0	1·0	1·0	·8	·5	·6	·4	·5	·6	·7	·3	...	...	...	—	8·3	55
16	—	...	...	...	...	·2	·4	·6	·6	·4	·3	·4	·2	...	...	...	...	—	3·1	21
17	—	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	—	0·1	1
18	—	...	·1	...	...	...	...	...	·1	...	·1	...	...	...	·1	...	...	—	0·4	3
19	—	...	...	...	...	·3	...	...	...	...	·2	·3	·1	·2	...	...	...	—	1·1	7
20	—	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	—	0·1	1
21	—	...	...	...	...	·1	·4	...	...	·1	·3	1·0	·8	·6	·2	·6	...	—	4·1	28
22	—	...	1·0	·7	·6	·4	1·0	1·0	·9	·9	·8	·8	·6	·7	·4	·4	...	—	10·2	69
23	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	·5	·4	·3	...	...	...	...	...	—	8·1	55
24	—	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	—	0·2	1
25	—	...	·1	...	·5	·4	...	·4	·5	·7	·8	·7	·5	...	...	...	...	—	4·6	32
26	—	...	·6	·1	·4	1·0	1·0	·3	·3	...	·2	1·0	1·0	·6	·1	·4	...	—	7·0	49
27	—	...	·5	·7	1·0	·3	·9	·5	·8	1·0	·9	·5	·5	·7	·3	...	...	—	8·6	60
28	—	...	·1	·4	·5	·1	...	·2	·2	·1	...	·1	...	·1	...	·1	...	—	1·9	13
29	—	...	·8	·9	1·0	·9	1·0	1·0	·5	...	...	...	·1	...	...	...	...	—	6·2	44
30	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
31	—	—	...	...	·6	·9	1·0	1·0	1·0	1·0	·9	1·0	·2	·9	·4	...	—	—	8·9	64
Sum.	...	1·3	10·3	8·5	**13·4**	12·9	13·0	11·5	12·3	11·0	11·0	12·8	10·3	8·2	4·9	5·4	2·1	...	148·9	—
Mean.	...	·04	·33	·27	**·43**	·42	·42	·37	·40	·35	·35	·41	·33	·26	·16	·17	·07	...	4·80	32

Hour L.A.T.	3 to 4	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

79. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **September, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	·1	·9	1·0	1·0	1·0	·4	·1	·4	·4	...	...	...	...	...	—	—	5·3	38
2	—	—	...	·1	·5	·1	1·0	1·0	·9	·9	1·0	1·0	1·0	1·0	·8	·6	—	—	9·9	72
3	—	—	·2	1·0	1·0	1·0	1·0	·9	·1	·8	·7	...	...	...	...	...	—	—	6·7	49
4	—	—	...	...	...	...	·3	1·0	1·0	1·0	·8	·4	·2	·2	...	·1	—	—	5·0	36
5	—	—	...	...	...	...	...	...	·2	·3	·5	·3		...	...	...	—	—	1·3	10
6	—	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·2	·2	...	...	—	—	9·2	68
7	—	—	·1	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	·3	·6	·2	...	—	—	10·1	75
8	—	—	...	...	·6	1·0	·5	·3	·1	...	...	...	...	...	...	...	—	—	2·5	19
9	—	—	·2	·8	·3	·8	1·0	1·0	1·0	·5	...	...	·8	·6	·1	...	—	—	7·1	53
10	—	—	...	·8	1·0	1·0	1·0	1·0	·9	·9	·6	...	...	·6	...	...	—	—	7·8	59
11	—	—	...	...	...	·6	·3	...	...	...	...	...	...	...	·1	...	—	—	1·0	8
12	—	—	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	—	—	10·3	79
13	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
14	—	—	...	...	·3	1·0	1·0	1·0	1·0	1·0	·9	·5	·8	·8	·4	...	—	—	8·7	67
15	—	—	...	...	...	...	·4	·9	1·0	1·0	1·0	·8	·7	·9	·6	...	—	—	7·3	57
16	—	—	...	...	...	·7	·3	·2	...	·8	·4	·5	·7	·9	·3	...	—	—	4·8	38
17	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
18	—	—	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	—	—	0·1	1
19	—	—	...	·3	·9	·9	·8	·7	·4	...	...	...	·1	...	...	...	—	—	4·1	33
20	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	·9	·9	·6	·9	1·0	·6	...	—	—	**10·5**	**85**
21	—	—	...	...	...	...	...	...	...	...	...	·1	·1	·2	...	...	—	—	0·4	3
22	—	—	...	...	...	·1	·1	·1	·4	·4	·3	·7	1·0	·3	...	...	—	—	3·4	28
23	—	—	...	...	...	...	...	...	·8	·1	·1	...	·1	...	·2	...	—	—	1·3	11
24	—	—	—	·3	·9	1·0	·9	·6	·7	·1	·1	·4	·9	·4	...	—	—	—	6·3	53
25	—	—	—	...	...	...	...	·2	1·0	1·0	1·0	·4	·6	...	...	—	—	—	4·2	35
26	—	—	—	...	·2	·1	...	...	·1	·1	...	·1	·1	...	...	—	—	—	0·7	6
27	—	—	—	...	...	...	...	...	...	...	...	...	...	·1	...	—	—	—	0·1	1
28	—	—	—	...	...	·2	·5	·9	1·0	·9	1·0	·6	...	...	...	—	—	—	5·1	44
29	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	·4	...	...	...	...	...	—	—	—	5·7	49
30	—	—	—	...	·6	·9	1·0	1·0	·6	·1	...	...	...	...	·2	—	—	—	4·4	38
Sum.	—	—	0·6	7·0	12·3	15·4	16·1	16·1	**16·4**	14·6	12·7	9·3	9·5	8·8	3·8	0·7	—	—	143·3	—
Mean	—	—	·02	·23	·41	·51	·54	·54	**·55**	·49	·42	·31	·32	·29	·13	·02	—	—	4·78	38

80. Aberdeen : h_S = 20·7 metres. **October, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	...	·1	·1	·3	·9	1·0	1·0	1·0	·7	·4	·3	—	—	—	5·8	50
2	—	—	—	...	·9	1·0	1·0	·6	·9	·5	·8	·7	·9	·1	...	—	—	—	7·4	65
3	—	—	—	...	...	...	...	·8	1·0	1·0	·8	·3	·1	...	...	—	—	—	4·0	35
4	—	—	—	...	·5	·2	·2	·3	...	·7	·6	1·0	·1	·1	...	—	—	—	3·7	33
5	—	—	—	...	...	...	...	...	...	...	...	·6	·4	·1	...	—	—	—	1·1	10
6	—	—	—	...	...	...	...	...	·3	·7	·6	1·0	·7	·1	...	—	—	—	3·4	31
7	—	—	—	...	...	...	...	·8	·4	·4	·6	...	...	·1	...	—	—	—	2·3	21
8	—	—	—	...	·8	·9	·4	1·0	·9	1·0	...	...	...	...	...	—	—	—	5·0	46
9	—	—	—	·1	1·0	1·0	1·0	1·0	·9	1·0	·9	1·0	·9	·7	...	—	—	—	**9·5**	**88**
10	—	—	—	...	...	·2	·7	·5	1·0	1·0	1·0	·8	1·0	·8	...	—	—	—	7·0	65
11	—	—	—	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	9·3	87
12	—	—	—	...	·5	1·0	1·0	1·0	·9	·6	1·0	·2	...	...	...	—	—	—	6·2	58
13	—	—	—	...	...	...	·4	1·0	·7	·6	·8	·8	·6	·3	...	—	—	—	5·2	50
14	—	—	—	...	·1	1·0	·9	·6	·8	·8	·8	·7	·2	...	...	—	—	—	5·9	57
15	—	—	—	...	...	...	·5	·6	·7	·2	...	...	...	...	...	—	—	—	2·0	19
16	—	—	—	...	...	...	·5	·8	·9	1·0	·8	·8	1·0	·4	...	—	—	—	6·2	60
17	—	—	—	...	...	·6	1·0	·8	·9	·9	·1	·3	...	...	...	—	—	—	4·6	45
18	—	—	—	—	...	...	·1	·2	·3	...	...	...	...	...	—	—	—	—	0·6	6
19	—	—	—	—	...	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	·6	—	—	—	—	7·4	74
20	—	—	—	—	·1	1·0	1·0	1·0	·5	·1	·4	...	...	...	—	—	—	—	4·1	41
21	—	—	—	—	...	...	·3	·9	·5	·5	·2	·9	1·0	·5	—	—	—	—	4·8	48
22	—	—	—	—	...	·6	·8	·5	·9	1·0	1·0	1·0	·4	...	—	—	—	—	6·2	93
23	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
24	—	—	—	—	...	...	·3	1·0	1·0	1·0	·8	·3	·5	·5	—	—	—	—	5·4	56
25	—	—	—	—	...	·4	·7	1·0	1·0	1·0	·8	...	...	...	—	—	—	—	4·9	52
26	—	—	—	—	...	...	...	...	...	·2	·7	·5	·5	·1	—	—	—	—	2·0	21
27	—	—	—	—	...	...	...	...	...	...	...	...	·1	...	—	—	—	—	0·1	1
28	—	—	—	—	...	...	...	...	·1	·7	1·0	·1	...	...	—	—	—	—	1·9	20
29	—	—	—	—	...	·9	·6	·2	...	·1	·1	...	...	...	—	—	—	—	1·9	20
30	—	—	—	—	...	...	...	...	...	·6	1·0	1·0	1·0	...	—	—	—	—	3·6	39
31	—	—	—	—	...	·9	1·0	1·0	1·0	1·0	·5	1·0	1·0	·1	—	—	—	—	7·5	82
Sum.	—	—	—	0·1	4·7	10·8	14·3	17·9	18·5	**19·6**	18·3	16·0	13·1	5·4	0·3	—	—	—	139·0	—
Mean.	—	—	—	·00	·15	·35	·46	·58	·60	**·63**	·59	·52	·42	·17	·01	—	—	—	4·48	44

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

81. Aberdeen : h_S (height of recorder above ground) = 20·7 metres. **November, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	—	**6·9**	77
2	—	—	—	—	...	·8	1·0	1·0	1·0	1·0	1·0	·9	·2	...	—	—	—	—	**6·9**	77
3	—	—	—	—	·2	1·0	1·0	·6	1·0	1·0	1·0	·9	·2	...	—	—	—	—	**6·9**	**78**
4	—	—	—	—	...	...	...	·4	·8	1·0	·8	1·0	·9	...	—	—	—	—	4·9	56
5	—	—	—	—	...	...	...	·3	...	...	...	...	...	...	—	—	—	—	0·3	3
6	—	—	—	—	...	·4	·7	·8	·7	·9	1·0	1·0	·9	...	—	—	—	—	6·4	74
7	—	—	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	...	·3	...	—	—	—	—	5·9	69
8	—	—	—	—	...	...	...	...	·4	·6	1·0	·8	·2	...	—	—	—	—	3·0	35
9	—	—	—	—	...	...	...	...	...	...	·2	·2	...	...	—	—	—	—	0·4	5
10	—	—	—	—	...	·2	·9	·3	...	...	...	...	...	...	—	—	—	—	1·4	17
11	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
14	—	—	—	—	—	·6	1·0	1·0	1·0	·4	...	...	...	—	—	—	—	—	4·0	49
15	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
16	—	—	—	—	—	...	·6	1·0	1·0	1·0	·4	...	...	—	—	—	—	—	4·0	51
17	—	—	—	—	—	...	...	...	·3	·9	·7	·8	...	—	—	—	—	—	2·7	34
18	—	—	—	—	—	...	...	...	...	...	·1	...	...	—	—	—	—	—	0·1	1
19	—	—	—	—	—	...	·1	·3	·4	...	...	...	...	—	—	—	—	—	0·8	10
20	—	—	—	—	—	...	...	·3	·2	·1	·1	·2	...	—	—	—	—	—	0·9	12
21	—	—	—	—	—	...	...	...	·5	·6	...	...	...	—	—	—	—	—	1·1	14
22	—	—	—	—	—	...	...	·1	·3	·9	·2	...	...	—	—	—	—	—	1·5	20
23	—	—	—	—	—	...	·2	...	1·0	·8	·5	·9	...	—	—	—	—	—	3·4	45
24	—	—	—	—	—	...	·3	1·0	1·0	1·0	1·0	·9	·2	—	—	—	—	—	5·4	73
25	—	—	—	—	—	...	...	...	...	·1	...	...	...	—	—	—	—	—	0·1	1
26	—	—	—	—	—	...	...	·4	1·0	1·0	·9	·1	...	—	—	—	—	—	3·4	47
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
29	—	—	—	—	—	...	...	...	...	1·0	1·0	1·0	·1	—	—	—	—	—	3·1	44
30	—	—	—	—	—	...	·2	1·0	1·0	1·0	·7	...	...	—	—	—	—	—	3·9	55
Sum.	—	—	—	—	0·2	4·0	8·0	10·5	13·6	**15·3**	12·6	9·7	3·5	...	—	—	—	—	77·4	—
Mean.	—	—	—	—	·01	·13	·27	·35	·45	**·51**	·42	·32	·12	...	—	—	—	—	2·58	32

82. Aberdeen : h_S = 20·7 metres. **December, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	...	·4	·9	1·0	1·0	·8	...	—	—	—	—	—	4·1	58
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	0·0	0
3	—	—	—	—	—	...	·5	·4	·4	·2	·9	·1	...	—	—	—	—	—	2·5	36
4	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
5	—	—	—	—	—	...	...	...	...	...	...	·1	...	—	—	—	—	—	0·1	1
6	—	—	—	—	—	...	·5	1·0	1·0	1·0	·7	...	...	—	—	—	—	—	4·2	61
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
9	—	—	—	—	—	...	·8	1·0	1·0	1·0	1·0	...	...	—	—	—	—	—	**4·8**	**72**
10	—	—	—	—	—	...	...	...	...	...	...	·1	...	—	—	—	—	—	0·1	1
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
13	—	—	—	—	—	...	·4	1·0	1·0	1·0	1·0	·4	...	—	—	—	—	—	**4·8**	**72**
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
15	—	—	—	—	—	...	...	·3	·7	·8	·9	·3	...	—	—	—	—	—	3·0	45
16	—	—	—	—	—	...	...	·4	·2	·4	...	...	...	—	—	—	—	—	1·0	15
17	—	—	—	—	—	...	...	...	...	·1	·1	...	...	—	—	—	—	—	0·2	3
18	—	—	—	—	—	...	·1	·9	1·0	1·0	·4	...	...	—	—	—	—	—	3·4	52
19	—	—	—	—	—	...	·3	·5	·8	·7	1·0	·2	...	—	—	—	—	—	3·5	53
20	—	—	—	—	—	...	·3	·5	·6	·4	...	...	...	—	—	—	—	—	1·8	28
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
22	—	—	—	—	—	...	...	·4	1·0	1·0	·9	·1	...	—	—	—	—	—	3·4	52
23	—	—	—	—	—	...	·2	·9	·6	1·0	1·0	·6	...	—	—	—	—	—	4·3	66
24	—	—	—	—	—	...	·2	...	·6	1·0	·8	·7	...	—	—	—	—	—	3·3	50
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
28	—	—	—	—	—	...	...	...	·3	·8	·7	...	...	—	—	—	—	—	1·8	27
29	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
30	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
31	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
Sum.	—	—	—	—	—	...	3·3	7·7	10·1	**11·4**	10·4	3·4	...	—	—	—	—	—	46·3	—
Mean.	—	—	—	—	—	...	·11	·25	·33	**·37**	·34	·11	...	—	—	—	—	—	1·49	22
Annual Totals.	0·3	13·6	38·8	46·0	71·1	89·0	111·5	133·2	141·4	**143·9**	133·9	106·9	87·8	61·4	39·0	24·3	11·7	1·1	1254·9	—
Annual Mean.	...	·04	·11	·13	·19	·24	·31	·36	·39	**·39**	·37	·29	·24	·17	·11	·07	·03	...	3·44	28

Hour. L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

†*Direction expressed in degrees from North* ($E = 90°$, $S = 180°$, $W = 270°$, $N = 360°$) : **Speed in metres per second.*

83. Aberdeen : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	290	2·3	280	2·6	280	5·2	290	4·9	290	4·9	270	2·6	240	1·6	260	2·6	260	3·3	280	4·3	260	3·9	270	3·9
2	190	4·6	190	5·9	180	6·6	180	7·2	190	7·2	190	6·2	180	5·9	190	5·6	200	5·6	200	5·9	210	6·2	240	6·2
3	220	7·2	230	8·5	230	9·8	220	9·2	230	7·5	240	6·6	230	4·3	220	4·3	210	3·9	210	6·6	210	6·2	220	4·6
4	310	7·5	300	6·9	310	7·9	310	6·9	310	6·9	310	6·9	310	6·2	310	6·2	290	2·6	270	2·3	290	3·0	290	3·6
5	190	3·3	190	5·2	190	3·9	180	3·9	190	3·3	170	6·2	170	6·9	160	6·6	170	6·9	160	6·9	160	7·9	170	6·9
6	280	2·0	—	1·3	—	1·3	230	2·0	—	1·3	250	1·6	270	2·3	270	2·0	250	2·6	—	1·3	260	2·0	260	2·0
7	220	5·9	210	3·9	210	3·9	200	4·3	200	4·9	210	4·6	210	5·2	220	4·3	220	4·6	230	2·0	—	1·0	—	0·3
8	200	5·6	200	5·6	200	6·9	220	6·6	220	5·9	250	5·2	270	3·9	240	3·0	230	3·9	250	3·3	250	4·6	260	3·3
9	190	5·2	180	4·3	180	7·5	190	7·5	190	6·2	200	5·2	210	5·9	240	5·2	240	5·6	230	6·9	210	7·2	220	9·2
10	220	11·8	210	9·5	210	8·9	210	7·2	220	5·6	260	6·9	260	7·2	260	5·6	270	4·9	280	10·2	300	12·1	300	11·5
11	300	9·8	300	7·5	300	8·9	310	9·8	310	9·8	300	9·8	300	9·8	300	8·2	290	7·5	300	12·5	330	6·6	340	4·6
12	310	3·0	300	2·6	300	3·6	300	2·6	320	2·3	320	3·6	320	3·6	300	3·0	310	3·3	310	3·3	320	4·3	320	3·3
13	270	1·6	—	1·3	—	0·7	—	1·3	—	0·7	—	1·0	—	1·3	—	0·7	210	2·3	210	2·6	210	4·9	210	4·9
14	220	5·2	220	6·9	220	4·6	210	4·9	210	5·2	230	5·2	280	6·6	290	6·6	290	5·9	290	5·2	290	7·9	280	5·9
15	290	12·8	300	12·5	240	13·1	300	9·8	290	9·5	300	7·2	290	8·2	300	11·8	300	8·9	300	8·9	300	6·9	300	6·2
16	310	2·0	320	2·6	—	1·3	—	1·3	—	1·3	—	1·3	310	1·6	—	0·7	—	0·7	—	1·0	220	1·6	220	2·6
17	210	2·6	200	2·0	210	1·6	190	1·6	210	3·3	210	2·0	—	1·3	—	1·0	—	1·3	220	3·0	220	3·9	220	3·9
18	—	1·0	280	1·6	290	2·0	280	2·6	280	1·6	280	2·0	290	3·0	300	3·0	300	3·6	290	3·3	300	2·3	260	1·6
19	200	1·6	230	2·0	240	1·6	240	2·0	220	1·6	210	1·6	200	2·6	220	3·3	200	3·0	220	6·6	200	7·2	210	8·2
20	290	6·9	290	6·9	300	9·5	300	9·8	310	8·9	310	7·5	310	10·5	350	8·9	350	7·9	340	6·6	340	9·8	330	8·5
21	270	1·6	260	3·0	240	3·3	240	2·3	230	2·0	210	2·6	210	4·9	210	4·6	220	2·6	250	2·3	270	4·3	270	5·2
22	280	7·2	290	5·6	270	6·6	270	5·2	260	6·2	260	5·9	260	5·6	260	7·2	270	5·2	280	6·2	300	5·6	330	6·6
23	290	3·3	300	2·6	280	2·0	260	3·3	260	2·6	250	2·6	230	3·6	230	3·0	220	5·6	230	4·9	220	3·0	200	3·6
24	270	4·9	280	5·9	280	6·6	270	7·9	270	6·9	270	6·6	250	4·6	—	0·7	260	2·6	260	3·0	290	3·9	280	3·3
25	260	4·6	230	2·3	250	3·0	240	2·6	240	3·0	210	3·6	220	3·6	230	4·6	260	5·2	230	3·9	240	3·0	250	6·2
26	260	5·9	260	5·9	270	4·9	250	2·6	240	4·9	230	4·3	230	3·6	230	4·3	240	5·2	250	5·6	250	5·6	260	4·6
27	—	1·3	240	2·6	250	3·6	260	3·3	260	4·9	250	4·3	210	2·6	230	3·0	240	3·6	270	3·6	280	5·2	290	5·2
28	280	2·3	250	1·6	280	1·6	—	1·0	280	1·6	—	1·0	—	1·0	330	2·3	320	2·3	300	2·0	—	1·3	—	0·7
29	220	3·0	230	2·3	—	0·7	—	0·3	—	0·7	—	1·0	—	1·0	—	1·3	310	2·0	310	2·3	330	2·6	40	4·6
30	140	6·2	150	5·6	160	4·3	170	3·3	180	3·9	190	3·0	190	3·6	190	4·3	190	3·3	200	3·9	200	3·3	190	2·3
31	300	3·6	240	3·6	270	1·6	—	1·3	250	2·6	260	2·0	—	1·0	240	1·6	—	1·0	230	2·0	220	2·3	180	2·3
Mean ...	—	4·7	—	4·5	—	4·7	—	4·5	—	4·4	—	4·2	—	4·3	—	4·2	—	4·1	—	4·6	—	4·8	—	4·7

84. Aberdeen : $H_a = 14$ metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	240	8·9	250	11·1	260	8·9	260	7·2	260	9·8	260	5·9	270	5·6	260	7·5	260	7·2	250	7·5	250	8·2	250	7·2
2	260	4·3	250	5·6	270	6·2	300	10·8	290	9·5	280	6·9	280	8·5	260	5·6	260	5·6	260	5·6	260	5·9	260	6·6
3	210	4·3	220	2·6	240	2·6	250	3·3	240	5·9	250	6·9	240	5·6	250	6·6	260	7·2	250	7·5	260	7·9	270	5·6
4	300	2·0	300	3·3	300	3·6	290	2·6	290	3·0	290	3·6	280	2·6	280	3·3	290	3·9	290	3·0	300	2·3	290	3·0
5	220	5·9	210	5·6	200	4·6	200	5·6	190	5·9	190	4·9	190	6·9	200	6·9	220	6·6	220	6·9	220	2·6	240	6·2
6	190	6·9	190	5·6	190	6·6	190	7·2	180	8·5	190	5·2	190	6·9	190	6·2	180	8·2	180	10·5	180	9·5	190	8·9
7	190	4·6	180	6·6	190	5·2	210	5·9	210	3·6	210	3·3	200	2·6	180	5·2	170	6·9	160	10·2	150	10·5	150	15·4
8	170	6·9	170	9·5	170	6·9	160	6·9	140	8·5	160	10·2	150	9·5	150	9·2	150	8·5	160	11·8	170	8·9	170	6·6
9	210	1·6	220	1·0	220	1·6	220	2·0	220	1·6	—	1·3	210	1·6	200	2·0	230	1·6	220	2·6	210	1·6	200	1·6
10	140	8·5	140	10·5	140	10·5	140	10·8	140	9·8	140	12·5	140	11·8	140	14·4	140	13·4	140	12·1	140	14·1	140	13·4
11	140	11·1	140	9·5	140	9·8	130	10·5	130	11·8	130	12·5	130	13·1	130	12·5	130	15·1	130	12·1	130	13·4	130	12·8
12	130	12·1	120	10·8	130	12·1	130	9·5	150	7·2	150	5·6	150	5·2	150	4·6	150	3·9	150	3·9	160	3·0	170	2·6
13	140	9·2	140	8·2	140	8·2	140	7·9	150	7·5	150	7·9	140	8·9	140	8·2	140	11·1	140	8·5	140	10·5	150	7·9
14	150	8·2	150	7·2	150	7·9	150	7·2	150	6·9	150	6·2	150	6·9	150	6·9	160	5·9	150	4·9	150	6·6	150	6·2
15	160	5·6	160	5·2	150	5·6	150	5·2	150	5·2	150	4·9	150	5·2	150	5·2	150	5·2	150	5·9	150	7·9	150	6·6
16	150	9·2	150	7·9	150	9·5	140	9·8	140	10·8	140	8·9	150	10·5	150	8·5	140	11·8	140	9·8	140	10·8	140	8·9
17	140	9·5	140	8·2	150	9·2	140	7·2	140	8·5	140	7·5	140	7·9	140	7·2	130	8·9	130	7·2	140	8·9	140	7·9
18	170	9·5	170	8·2	170	9·8	150	9·8	160	10·2	160	10·8	150	12·5	150	10·8	150	10·5	150	12·5	160	10·8	160	11·1
19	150	7·5	160	6·2	160	6·2	160	5·9	160	5·2	170	5·6	160	4·9	160	4·3	160	5·2	170	4·6	170	4·3	170	3·0
20	160	2·3	170	3·3	170	2·6	170	3·3	170	3·3	170	3·3	170	4·3	170	3·9	180	3·9	180	3·9	210	2·3	200	2·3
21	170	7·5	160	9·5	150	9·2	160	9·8	170	7·9	150	11·5	140	12·1	150	10·2	150	11·1	150	10·2	150	10·5	150	12·5
22	150	8·5	140	8·2	140	6·9	140	7·2	140	7·5	140	7·2	150	6·6	140	8·2	140	7·9	140	7·9	150	7·5	150	7·5
23	340	1·6	330	2·3	330	2·6	330	2·6	310	3·3	310	3·3	300	3·3	290	2·0	290	1·3	290	1·6	300	1·6	—	0·7
24	90	5·2	90	5·9	90	4·3	90	4·3	80	2·6	120	3·6	140	3·6	140	4·3	140	3·6	110	5·6	110	5·2	110	5·6
25	130	6·6	140	7·9	130	6·9	130	7·9	120	8·5	130	7·9	130	7·9	120	8·5	120	9·5	120	9·2	120	8·2	130	8·2
26	120	9·8	130	5·9	140	4·9	140	3·9	140	3·9	120	2·6	120	7·2	130	6·6	120	10·2	120	10·2	110	12·8	110	13·1
27	110	13·8	110	10·5	110	12·1	110	9·8	110	11·8	110	9·8	100	10·2	100	10·2	100	12·8	110	10·8	120	10·8	110	9·8
28	80	10·5	80	7·5	80	9·2	80	5·9	90	9·2	80	8·2	80	8·9	80	6·6	80	5·9	80	5·2	80	5·2	80	5·2
Mean ...	—	7·2	—	6·9	—	6·9	—	6·8	—	7·1	—	6·7	—	7·2	—	7·0	—	7·6	—	7·6	—	7·6	—	7·4
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

Averages for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h*a* (height of anemograph above ground) = 14 metres + 23 metres.

January, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
280	4·3	260	3·6	270	2·6	250	2·3	250	1·6	—	1·3	—	1·3	220	1·6	—	1·3	190	2·0	210	2·0	190	3·6	2·9	1
230	3·0	210	4·3	210	4·6	190	5·6	200	6·6	200	6·9	190	6·2	190	7·9	200	6·6	210	6·9	220	7·5	220	7·2	6·0	2
220	5·6	220	5·6	220	4·9	220	3·0	250	2·6	290	3·6	300	5·6	300	5·6	310	7·5	310	6·9	310	7·2	300	6·6	6·0	3
280	2·6	270	2·3	240	2·3	230	2·3	240	2·0	240	2·3	240	1·6	230	2·3	—	0·7	220	2·3	200	2·3	210	3·0	3·9	4
170	6·9	180	6·2	190	4·3	210	3·3	290	5·2	320	4·9	320	3·3	320	3·0	310	2·6	290	2·6	290	2·3	290	2·6	4·8	5
260	3·0	260	2·0	—	1·3	—	1·3	210	1·6	220	1·6	220	2·0	210	1·6	200	3·3	210	3·3	210	3·0	230	5·6	**2·1**	6
250	2·3	—	0·3	—	1·3	220	2·3	200	1·6	200	2·0	200	2·0	—	0·3	180	2·6	190	2·6	180	3·0	200	3·6	2·9	7
260	3·9	280	3·3	260	5·2	260	4·6	260	4·3	230	3·3	210	2·6	—	1·3	—	1·3	220	1·6	180	2·0	200	3·6	3·9	8
230	9·2	220	10·2	230	10·5	220	9·2	210	9·5	220	8·2	210	8·9	210	7·5	200	11·1	210	11·1	210	11·1	210	10·2	7·9	9
310	12·1	320	12·8	320	12·1	320	11·1	320	11·8	320	6·9	310	8·5	310	9·2	310	11·5	310	7·9	310	10·2	300	8·9	**9·4**	10
320	5·6	320	4·9	320	3·9	320	4·9	320	4·3	320	4·3	320	3·6	320	4·3	310	3·3	320	3·6	310	3·0	320	3·3	6·5	11
310	4·3	300	3·3	300	2·3	300	2·0	290	2·3	300	2·6	300	2·6	300	2·3	300	2·3	—	1·3	—	1·0	250	2·0	2·8	12
220	4·6	210	2·0	210	2·3	220	2·6	270	3·3	290	3·0	300	2·0	280	3·0	280	2·0	250	6·6	230	7·9	220	6·2	2·8	13
280	7·2	270	5·9	270	7·5	280	6·9	270	6·9	280	7·2	270	7·5	280	7·2	280	8·5	280	7·5	290	11·5	290	10·5	6·8	14
290	5·2	300	8·9	310	5·9	290	4·6	300	4·3	290	4·3	310	4·9	310	5·9	300	3·6	320	3·9	310	3·6	330	2·3	7·4	15
210	2·6	200	2·6	210	3·3	210	2·3	210	3·3	220	3·3	210	3·3	210	3·0	210	3·0	210	2·3	190	3·0	190	3·3	2·2	16
210	3·3	210	2·0	230	2·0	250	2·0	270	1·6	—	1·3	—	1·3	300	2·0	—	1·3	290	3·3	300	3·3	310	2·0	2·2	17
270	3·0	—	1·3	220	1·6	230	2·3	220	2·0	230	2·6	220	1·6	240	2·3	240	3·0	230	3·6	250	2·3	260	2·6	2·3	18
220	7·5	250	7·9	260	8·2	270	9·2	280	11·1	280	12·5	300	15·1	300	13·4	310	15·1	310	11·8	300	11·8	300	6·9	7·1	19
340	9·8	330	9·5	340	8·2	330	6·9	330	6·6	330	5·9	320	5·2	290	3·3	290	3·3	290	3·3	260	2·3	280	3·0	7·1	20
260	3·6	290	4·9	290	7·5	260	6·2	270	4·9	270	6·2	280	4·9	290	5·9	280	4·3	280	3·9	290	7·2	290	8·5	4·3	21
330	6·6	330	6·9	320	8·9	320	7·2	320	5·9	310	8·2	320	7·5	320	9·2	320	8·2	330	7·2	330	8·2	330	4·9	6·8	22
200	4·9	210	3·9	230	6·9	230	8·9	220	6·2	200	3·0	180	3·6	250	9·2	260	6·6	260	6·6	260	7·9	260	8·2	4·8	23
270	3·6	290	5·6	290	5·2	290	6·2	270	3·3	290	2·3	290	3·9	290	4·3	240	3·0	270	4·9	250	4·3	250	3·0	4·5	24
230	3·3	240	3·0	260	6·2	260	5·2	260	3·9	250	4·6	250	3·9	250	3·9	250	5·2	260	6·6	260	7·2	260	8·2	4·3	25
260	5·2	230	2·6	210	2·3	250	4·3	250	4·9	260	6·6	260	4·9	250	6·6	240	4·9	240	3·6	230	3·9	210	2·3	4·7	26
310	4·3	320	3·0	330	3·6	330	4·3	330	3·0	330	3·9	320	3·6	320	3·9	310	3·0	310	2·6	300	2·3	300	2·3	3·5	27
—	0·0	—	0·7	160	2·0	200	3·6	220	3·0	230	3·3	240	3·3	270	3·0	260	3·9	240	3·0	210	3·3	210	2·0	**2·1**	28
70	5·2	70	4·9	70	4·6	80	4·6	90	6·2	110	6·6	110	7·9	110	8·5	120	9·8	120	7·5	120	8·9	140	6·9	4·2	29
—	1·3	220	2·0	210	2·0	—	1·3	—	0·7	—	0·7	250	1·6	—	1·3	—	1·3	260	3·9	270	4·6	280	2·6	3·0	30
200	3·3	190	2·3	190	2·3	220	5·2	230	5·6	220	4·6	210	5·6	200	3·6	220	2·3	230	8·2	240	9·5	230	6·9	3·4	31
—	4·8	—	4·5	—	4·7	—	4·7	—	4·5	—	4·5	—	4·5	—	4·7	—	4·7	—	4·9	—	**5·4**	—	4·9	4·6	

February, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
260	4·3	250	4·6	280	2·3	240	4·6	250	6·9	230	6·9	230	6·2	220	5·2	210	3·9	210	4·6	230	5·6	250	6·6	6·5	1
260	5·6	260	5·6	260	4·3	260	3·9	260	3·6	210	2·3	220	1·6	220	1·6	220	2·0	200	3·3	200	3·0	200	2·3	5·1	2
—	1·0	310	3·9	280	3·3	320	4·3	300	2·3	310	2·3	320	2·3	300	2·3	310	3·3	300	3·0	310	4·3	310	3·9	4·2	3
290	3·3	290	3·3	250	2·0	230	2·3	230	3·6	240	3·6	240	3·9	230	3·0	210	3·0	210	3·3	210	5·9	220	4·6	3·2	4
220	6·2	210	6·2	200	4·9	190	4·6	210	5·2	180	4·3	190	4·9	190	3·3	190	5·2	210	6·2	200	5·9	190	5·6	5·4	5
190	7·2	190	7·2	190	5·9	190	7·2	190	7·2	180	7·2	180	6·2	180	7·2	180	4·9	180	6·2	190	5·9	200	4·3	7·0	6
170	11·5	170	14·8	170	10·2	180	8·9	180	5·2	190	5·2	190	4·9	190	5·6	190	4·6	190	3·9	180	4·9	170	6·6	6·9	7
280	5·9	320	5·9	320	3·9	320	3·3	310	2·3	300	1·6	270	2·0	—	1·0	240	2·3	230	3·0	230	2·3	220	2·0	5·9	8
210	2·3	190	3·0	180	2·6	160	3·0	160	1·6	160	3·0	140	2·3	150	5·6	150	8·2	150	8·5	140	7·9	140	9·5	3·1	9
140	12·8	140	12·5	140	12·8	140	11·8	140	13·1	140	11·1	140	12·1	140	11·1	140	13·4	140	12·1	140	13·1	140	10·5	**12·0**	10
130	12·8	130	10·8	130	12·8	130	10·5	130	12·1	130	9·8	130	11·5	130	10·5	130	12·1	130	10·5	130	11·5	130	11·1	11·7	11
170	3·3	170	3·3	150	3·6	150	3·0	150	1·6	130	2·3	120	5·2	140	7·2	140	7·9	140	5·2	140	6·9	140	7·5	5·8	12
150	8·2	150	8·5	150	8·9	150	7·9	150	8·2	150	8·2	150	8·5	150	7·9	150	9·2	150	8·5	150	8·5	160	7·2	8·5	13
150	6·6	150	5·9	150	6·2	150	5·6	150	6·6	150	4·6	160	5·2	170	4·3	160	5·6	160	5·2	150	7·2	150	4·9	6·3	14
150	6·6	160	6·6	150	8·2	150	7·2	160	8·2	150	7·2	150	7·9	150	8·5	150	9·5	150	7·5	150	9·2	150	7·9	6·7	15
150	9·2	150	7·5	150	8·5	150	6·9	150	6·9	150	6·6	140	7·5	140	7·9	140	10·2	140	8·9	140	11·5	140	9·2	9·0	16
150	8·5	150	7·2	150	8·2	160	7·2	160	8·2	160	6·2	160	7·9	160	8·2	160	8·2	170	7·5	160	9·2	160	8·2	8·1	17
150	10·5	150	12·5	150	12·8	150	11·1	150	10·2	150	11·1	150	10·2	150	9·8	150	9·2	150	7·9	150	8·5	150	8·2	10·4	18
170	3·9	160	3·6	170	3·6	160	3·3	160	3·3	160	3·9	160	3·9	160	3·3	170	3·0	160	3·3	160	3·9	160	3·6	4·5	19
220	2·3	220	2·6	220	3·0	190	2·6	200	2·6	180	4·3	170	5·6	160	6·6	170	6·2	160	7·5	170	6·2	170	7·9	3·9	20
150	11·1	150	10·5	150	11·5	150	10·8	150	10·5	150	9·8	150	9·8	150	9·8	150	9·8	150	8·2	150	9·5	150	9·2	10·1	21
150	6·9	150	7·2	150	6·6	140	6·2	150	5·9	130	6·2	130	7·2	120	6·2	130	5·2	100	4·6	90	4·9	80	2·3	6·8	22
—	0·3	—	1·0	80	2·0	—	1·3	150	1·6	150	3·0	130	4·3	120	4·3	120	3·9	120	5·2	100	3·9	90	4·6	**2·5**	23
120	7·9	120	6·6	120	7·2	120	7·5	120	6·9	110	6·6	110	6·6	110	6·6	110	7·5	120	8·2	120	7·5	120	6·9	5·8	24
130	9·2	130	7·2	120	8·9	130	7·5	130	9·5	120	8·5	120	9·8	120	9·2	120	10·2	120	9·5	120	11·8	120	11·1	8·6	25
110	15·7	110	13·4	110	14·8	110	14·8	110	17·0	110	15·7	110	18·0	110	14·8	110	16·7	110	12·5	110	14·1	110	12·1	11·3	26
110	10·8	100	9·2	90	12·1	90	10·2	80	13·8	80	11·5	80	11·5	80	9·8	80	11·8	90	11·8	90	11·5	90	10·2	11·1	27
80	4·3	90	3·6	80	5·2	80	4·6	70	6·2	70	5·2	60	6·9	60	5·6	60	6·9	60	4·9	50	6·2	40	5·9	6·5	28
—	7·1	—	6·9	—	7·0	—	6·5	—	6·8	—	**8·4**	—	6·9	—	6·7	—	7·3	—	6·8	—	7·5	—	6·9	7·0	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

†*Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : *Speed in metres per second.*

85. Aberdeen : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	50	5·9	40	4·6	40	6·2	40	4·3	30	4·3	20	2·3	340	2·3	350	2·3	350	2·0	350	2·0	—	1·3	30	3·3
2	110	4·3	110	5·9	120	6·2	110	7·9	110	7·9	110	7·5	140	4·6	130	5·6	120	6·6	110	6·9	110	8·2	150	3·3
3	180	1·6	—	1·3	170	1·6	170	1·6	—	1·0	—	0·3	—	0·3	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3
4	340	2·3	330	2·3	310	2·3	300	3·0	300	3·0	310	3·3	310	3·9	310	3·3	310	3·0	320	3·9	320	4·9	330	3·0
5	190	2·6	180	2·6	180	3·6	200	2·3	170	4·3	170	5·2	170	5·2	180	5·2	180	6·2	180	4·9	180	6·6	180	6·2
6	230	4·3	230	3·9	220	3·0	210	2·0	200	2·0	200	2·0	200	1·6	210	3·9	200	3·3	180	3·9	170	3·3	180	3·6
7	140	1·6	—	1·3	—	1·0	—	1·0	—	1·3	—	1·0	—	1·0	340	1·6	340	2·0	—	1·3	—	1·3	10	2·3
8	350	4·9	350	3·6	360	4·3	350	3·9	350	4·6	350	4·9	360	4·3	360	4·3	360	3·0	20	2·6	20	3·0	20	3·6
9	310	3·0	320	2·0	320	3·3	310	2·0	310	2·6	320	2·6	320	2·0	330	2·3	340	2·3	10	2·3	40	3·0	80	2·3
10	200	1·6	170	1·6	170	1·6	—	1·3	—	1·0	—	1·0	140	2·6	130	3·9	150	3·0	150	4·3	160	3·6	170	3·3
11	140	6·6	140	7·2	140	5·6	150	6·2	150	5·6	150	4·9	150	5·2	150	5·2	160	4·3	160	4·9	160	5·6	160	4·9
12	160	6·2	160	5·9	160	7·5	160	6·9	160	7·9	160	6·6	160	8·5	160	7·5	160	8·2	160	7·5	160	8·9	160	7·9
13	180	6·6	180	6·9	180	7·5	200	4·3	200	2·6	210	3·0	210	2·6	230	2·6	260	2·6	290	5·2	290	5·9	290	5·2
14	280	2·0	290	2·3	280	2·6	280	1·6	280	2·0	290	2·3	290	2·6	290	2·6	290	2·3	—	1·0	—	1·3	70	2·0
15	—	0·3	—	0·7	—	0·7	—	1·0	320	1·6	320	1·6	40	2·0	70	3·9	70	3·9	90	4·9	90	4·6	80	5·2
16	90	3·0	100	3·0	100	3·0	90	2·3	100	2·6	100	1·6	90	1·6	100	1·6	110	2·6	100	2·0	—	1·3	—	1·3
17	—	1·3	310	2·3	310	2·3	310	2·0	—	1·0	—	0·3	—	0·7	—	0·3	—	0·7	80	2·6	100	2·3	120	2·6
18	—	1·0	—	1·3	—	1·0	—	0·7	—	1·0	—	1·0	170	1·6	—	1·0	—	1·0	—	1·3	130	2·6	160	2·6
19	—	0·7	—	1·0	—	0·3	—	1·0	230	1·6	—	1·3	—	1·0	—	0·7	—	0·0	—	0·3	100	1·6	90	1·6
20	—	0·7	—	0·7	—	0·7	—	1·3	—	1·3	—	1·3	—	0·0	90	1·6	90	2·6	100	2·6	90	1·6	90	2·6
21	—	0·7	—	0·7	—	1·0	—	0·7	—	1·3	290	1·6	290	2·6	300	2·6	300	2·0	—	1·3	100	1·6	110	3·0
22	300	2·3	290	2·6	290	2·3	290	1·6	290	2·3	300	2·6	300	3·0	300	3·0	300	3·6	300	2·3	20	2·0	40	3·0
23	40	1·6	50	2·0	—	0·3	—	0·3	80	2·3	90	2·3	80	2·6	110	2·0	80	1·6	100	1·6	90	1·6	90	2·0
24	350	1·6	350	2·3	340	2·3	340	2·6	330	3·6	320	4·6	320	4·9	320	4·9	320	6·6	310	6·2	300	7·5	300	9·5
25	240	2·3	—	1·0	—	0·3	—	1·3	270	1·6	250	1·6	—	0·7	—	1·0	—	0·3	190	2·6	180	3·0	180	3·6
26	240	5·6	200	2·0	210	2·3	200	3·6	—	1·3	250	2·3	250	1·6	230	1·6	140	1·6	180	3·0	150	3·6	170	3·6
27	170	2·3	170	3·0	180	2·3	160	2·3	160	3·0	150	3·6	160	3·9	150	2·6	—	1·3	170	2·0	170	2·3	80	1·6
28	—	1·3	—	1·0	160	2·0	150	2·6	—	1·3	160	1·6	—	1·3	—	1·0	—	1·0	100	2·0	120	3·0	110	2·6
29	—	0·3	—	1·3	—	1·0	—	0·3	—	0·3	—	1·0	—	0·7	—	1·0	—	0·7	—	1·0	160	3·6	160	3·3
30	170	2·3	180	2·0	170	1·6	—	1·3	130	2·0	140	3·0	170	2·0	170	1·6	160	2·0	170	3·0	170	2·3	160	2·3
31	—	1·3	—	1·3	170	1·6	—	1·0	—	1·3	—	1·0	—	1·3	—	1·0	—	1·3	130	2·3	140	3·6	140	2·6
Mean ...	—	2·6	—	2·6	—	2·6	—	**2·4**	—	2·6	—	**2·6**	—	2·5	—	2·7	—	2·6	—	**3·0**	—	**3·4**	—	3·4

86. Aberdeen : H_a = 14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/
1	120	8·9	120	9·2	120	8·9	120	9·2	120	9·2	120	8·9	120	8·2	120	7·9	120	6·9	130	6·2	130	7·5	130	7·
2	150	4·6	150	4·9	150	3·9	140	4·6	150	4·3	150	3·9	140	3·0	140	3·9	140	3·6	150	3·9	140	4·9	140	4·
3	160	3·3	160	3·3	170	3·3	180	3·6	170	2·3	170	2·6	180	3·0	180	3·3	170	3·3	170	4·6	170	4·3	170	3·
4	140	4·6	150	4·6	150	4·9	140	3·9	140	3·9	140	5·6	160	3·9	140	4·6	140	5·9	140	8·2	140	6·6	140	6·
5	150	3·0	160	3·3	150	3·9	140	5·6	140	5·2	140	5·6	140	5·9	140	6·9	130	6·2	130	7·9	130	6·6	130	7·
6	130	8·2	130	6·6	130	7·9	130	6·9	120	7·5	120	7·2	120	8·2	120	9·5	130	8·5	130	8·2	120	7·5	130	7·
7	120	8·5	110	7·9	120	6·6	120	7·2	130	5·9	120	6·6	130	4·9	120	8·2	120	6·9	120	6·9	120	7·5	130	7·
8	130	8·2	130	6·9	130	7·5	130	7·9	130	7·9	140	7·2	140	6·9	140	5·6	140	9·2	140	8·5	140	8·2	140	8·
9	130	5·9	130	5·6	130	4·9	140	5·2	140	3·3	130	4·3	130	4·6	120	4·9	120	5·9	120	6·2	120	5·6	110	5·
10	60	9·8	60	11·5	60	10·2	50	10·2	50	9·8	40	12·1	50	13·4	60	12·8	60	10·5	80	9·8	100	8·5	110	7·
11	120	5·9	110	4·9	100	5·9	100	5·6	110	6·9	110	7·2	120	7·2	120	8·2	120	7·5	110	7·5	100	6·9	110	7·
12	—	0·7	—	1·3	—	1·3	—	1·3	40	2·0	30	2·3	40	3·3	40	2·3	40	3·0	40	3·3	60	3·3	80	2·
13	30	3·3	40	3·0	40	3·9	60	3·0	130	3·0	130	3·6	160	2·3	190	3·3	200	3·0	200	3·9	190	3·6	180	4·
14	110	3·0	130	3·9	130	5·6	130	5·2	120	5·6	130	5·6	130	3·6	120	4·9	130	3·9	120	4·3	110	3·6	130	4·
15	—	0·3	—	1·0	50	2·0	90	1·6	80	2·3	50	1·6	40	1·6	30	1·6	40	3·0	60	3·0	60	3·0	50	4·
16	—	1·0	—	1·3	—	1·3	—	1·3	—	0·7	—	1·0	—	0·3	—	0·3	—	0·3	80	1·6	160	2·6	150	3·
17	180	2·6	180	2·3	180	2·3	200	2·0	190	1·6	—	1·0	180	2·0	170	3·3	160	5·2	170	4·6	170	4·6	170	4·
18	140	2·6	140	3·0	140	1·6	140	1·6	130	4·6	120	4·3	110	4·9	120	5·9	120	6·6	120	5·9	120	5·6	120	4·
19	130	3·6	110	3·3	110	3·6	90	4·6	80	5·2	110	3·6	100	3·9	90	4·3	90	4·6	100	4·3	110	3·3	120	3·
20	10	2·3	50	3·0	30	2·0	—	1·3	350	1·6	340	2·0	360	1·6	20	3·0	360	3·0	10	3·9	10	4·6	20	4·
21	360	5·6	10	7·2	10	7·2	10	7·2	10	6·6	10	6·9	10	7·5	20	10·2	20	9·5	50	10·5	50	9·8	50	10·
22	330	3·0	330	3·0	320	2·6	320	3·0	330	3·6	340	2·0	330	3·3	330	3·6	330	3·3	340	3·0	20	3·3	40	3·
23	250	2·6	—	1·3	280	3·3	300	5·9	300	5·2	300	4·6	340	4·6	350	5·2	330	6·6	360	5·6	330	5·6	330	6·
24	300	7·2	310	3·6	300	5·2	290	4·9	300	5·2	300	7·5	300	7·2	300	7·9	300	8·2	300	6·6	340	5·6	330	5·
25	180	6·2	160	6·9	150	8·2	150	9·2	160	9·2	160	8·9	160	8·5	170	6·2	200	4·9	210	3·3	210	3·9	220	4·
26	210	3·9	200	3·9	210	3·0	200	3·0	210	2·0	230	2·3	290	2·3	300	2·6	330	1·6	330	1·6	110	2·0	—	1·
27	320	8·2	320	5·6	310	4·9	300	4·3	290	5·2	290	6·2	300	6·6	300	7·9	300	7·2	290	6·6	280	5·2	280	5·
28	290	3·6	290	2·6	270	1·6	—	1·0	270	1·6	—	0·7	—	1·0	160	2·6	150	3·3	160	5·2	170	4·6	170	4·
29	270	1·6	—	1·3	260	3·0	250	2·3	240	1·6	240	3·6	260	2·0	270	3·6	260	3·9	270	3·9	270	3·6	270	2·
30	—	1·3	210	3·0	—	1·3	—	0·3	—	0·3	—	0·3	120	2·0	140	2·0	120	2·0	110	2·0	110	1·6	110	2·
Mean ...	—	4·5	—	4·3	—	4·4	—	4·4	—	4·4	—	4·6	—	4·6	—	5·2	—	5·3	—	**5·4**	—	5·1	—	5·
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

Averages for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 14 metres + 23 metres.

March, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/.s	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
40	2·3	40	3·3	50	3·3	80	1·6	90	2·3	90	1·6	80	2·6	100	2·0	120	2·6	110	3·0	120	3·0	120	3·6	3·0	1
220	3·3	190	2·6	160	3·3	140	3·0	140	4·3	140	2·3	—	1·3	140	1·6	140	2·0	—	1·3	—	1·3	140	1·6	4·3	2
—	0·0	—	0·3	—	0·0	—	0·3	—	1·3	—	1·3	—	0·7	340	2·0	320	2·3	320	2·6	340	2·6	330	2·6	**1·0**	3
320	2·6	330	3·0	320	3·0	330	1·6	—	0·7	—	0·3	—	0·0	—	1·0	—	1·3	210	1·6	220	2·3	190	2·6	2·4	4
180	8·2	190	3·6	190	3·6	200	3·0	220	2·3	260	4·9	280	3·3	260	3·3	230	2·6	240	2·3	240	2·0	200	2·6	4·0	5
180	4·3	170	3·6	180	4·3	190	3·0	190	3·0	180	2·6	190	2·0	180	1·6	180	2·0	170	2·0	200	2·3	170	2·0	2·9	6
30	4·3	40	4·6	30	4·6	30	3·6	360	3·6	350	3·3	350	3·6	340	3·0	330	3·9	340	4·6	340	4·3	350	3·9	2·6	7
40	4·3	60	4·3	50	4·3	50	4·3	60	4·9	70	4·3	70	4·3	80	3·3	80	3·0	—	0·3	350	1·6	—	1·3	3·7	8
60	3·0	60	3·0	70	2·3	70	2·6	—	1·3	—	1·0	130	2·0	—	1·3	160	2·0	—	1·3	190	1·6	180	2·0	2·2	9
170	3·6	160	3·6	160	3·6	150	4·9	150	4·6	150	5·2	150	5·2	140	6·9	140	6·6	140	8·9	140	7·9	140	8·2	4·0	10
150	7·2	150	6·2	160	5·2	150	5·9	150	7·2	160	5·9	160	6·6	160	5·6	150	7·2	150	5·6	150	7·9	150	6·2	6·0	11
160	7·9	160	6·9	160	8·2	160	6·6	160	8·2	160	7·2	160	7·5	150	8·9	150	8·5	160	7·2	160	7·5	160	5·6	**7·5**	12
310	4·9	320	4·9	320	3·9	340	2·3	340	2·0	330	2·3	—	1·3	—	0·7	—	1·3	—	1·0	—	1·3	290	2·0	3·5	13
80	2·0	100	2·0	110	2·6	120	2·3	120	2·3	—	1·3	150	1·6	—	1·0	140	1·6	—	1·0	—	0·7	—	0·7	1·9	14
80	3·9	60	3·6	70	2·6	80	4·6	80	4·3	80	4·6	70	3·3	80	3·0	70	3·3	80	3·3	90	3·0	90	3·3	3·0	15
110	2·6	110	2·6	110	3·0	120	3·0	130	2·6	130	1·6	140	2·0	140	1·6	—	1·3	—	0·7	—	0·3	—	1·0	2·1	16
110	2·6	110	3·0	120	2·3	120	2·6	130	2·0	120	2·0	120	2·0	—	1·3	—	1·3	—	1·0	—	0·7	130	1·6	1·7	17
150	2·6	140	3·0	150	3·3	150	2·6	150	2·6	160	2·0	170	2·0	—	1·3	—	1·3	—	0·7	—	1·3	—	1·3	1·7	18
—	1·3	80	2·0	120	3·6	110	2·3	100	1·6	120	2·3	120	1·6	—	1·0	—	1·0	—	0·0	—	0·7	—	1·3	1·2	19
70	2·3	—	1·3	70	2·3	80	2·3	—	1·3	—	0·7	—	1·0	140	2·0	—	1·0	150	1·6	140	3·3	—	1·3	1·6	20
110	3·3	110	2·6	110	3·3	110	2·3	—	1·3	—	1·0	—	0·7	—	0·7	—	0·7	—	1·0	300	2·3	300	3·0	1·7	21
40	3·6	50	4·3	50	4·9	50	3·3	50	3·6	60	3·9	50	2·0	—	1·3	50	1·6	—	0·7	—	0·7	—	1·0	2·6	22
—	1·3	—	1·3	60	2·0	60	2·3	30	2·0	40	2·6	30	2·3	20	2·3	40	2·0	30	2·3	360	2·3	350	1·6	1·8	23
300	9·8	300	8·5	300	7·5	290	6·2	300	5·6	310	4·3	300	5·9	290	4·9	260	3·3	250	2·0	240	3·0	240	2·6	5·0	24
180	3·6	160	3·3	180	3·0	180	3·0	170	1·6	160	2·6	—	1·3	210	3·0	200	2·6	220	5·2	200	2·0	230	6·6	2·3	25
150	3·9	140	4·9	160	4·9	160	4·6	140	2·6	160	3·3	190	2·0	180	3·0	180	2·6	180	2·0	180	2·0	160	2·3	3·0	26
—	1·3	170	2·3	190	2·6	180	3·9	170	2·0	180	2·0	—	1·3	—	0·7	—	0·3	—	0·3	—	0·7	—	1·0	2·1	27
110	3·0	110	2·0	—	1·3	60	1·6	80	2·3	—	1·3	—	1·0	—	1·3	—	1·3	—	1·0	—	1·0	—	0·0	1·6	28
140	3·6	140	3·0	130	3·3	170	2·0	170	2·3	—	1·0	—	1·0	—	0·7	140	1·6	150	1·6	160	1·6	170	1·6	1·5	29
150	3·0	150	3·3	150	2·6	160	3·0	160	2·3	160	2·6	160	2·3	170	2·6	170	1·6	170	1·6	170	2·0	190	2·0	2·3	30
130	3·0	140	3·9	140	3·6	140	4·6	150	4·3	150	3·9	140	4·3	130	4·9	140	5·6	130	6·6	130	7·2	140	5·9	3·1	31
—	**3·6**	—	**3·4**	—	**3·5**	—	**3·2**	—	**3·0**	—	**2·7**	—	**2·5**	—	**2·5**	—	**2·6**	—	**2·4**	—	**2·6**	—	**2·6**	2·8	

April, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
130	8·2	130	7·9	140	7·9	140	7·9	140	8·5	130	7·2	140	7·5	140	7·9	140	6·9	140	6·6	140	4·6	150	5·6	7·7	1
150	4·9	140	4·6	140	4·9	140	4·3	150	4·9	150	4·3	150	4·3	150	3·9	150	3·9	150	3·3	140	3·9	150	3·0	4·2	2
170	3·9	160	3·6	170	3·9	160	3·9	160	3·9	160	3·3	150	3·6	160	3·0	160	3·6	150	3·6	160	3·9	150	4·3	3·5	3
140	5·2	150	3·9	150	5·2	140	5·6	160	3·3	170	3·3	160	3·0	150	4·6	160	3·3	160	3·3	160	3·0	150	4·3	4·7	4
130	7·2	130	6·6	130	6·2	130	7·5	130	7·5	130	7·5	130	9·5	140	7·9	140	8·2	140	7·5	140	8·2	140	7·5	6·5	5
120	7·9	120	8·9	120	8·2	120	9·2	120	8·5	130	8·2	130	8·2	130	8·9	130	8·9	120	9·2	120	8·2	110	8·9	8·2	6
130	7·9	130	7·9	130	6·9	130	6·6	130	7·5	130	7·2	130	6·9	140	7·5	140	5·9	130	7·2	130	7·5	130	8·2	7·2	7
140	8·5	140	8·2	140	7·2	140	6·9	130	6·6	140	6·2	130	6·6	140	4·6	130	5·6	130	5·9	130	5·9	130	5·6	7·2	8
110	5·6	110	5·2	100	5·6	90	5·6	80	5·9	80	5·2	60	5·9	50	6·6	50	7·2	50	8·2	60	8·9	60	9·2	5·8	9
120	6·9	120	6·9	130	6·2	130	6·9	130	6·2	140	5·9	140	5·6	140	6·2	130	4·9	130	4·9	130	6·6	120	5·9	**8·4**	10
120	5·9	130	6·2	130	4·9	140	3·9	130	3·3	130	3·0	130	3·0	140	2·6	—	1·3	—	0·7	—	0·7	—	1·0	5·0	11
—	1·3	60	2·3	70	2·6	—	1·3	70	1·6	90	2·0	—	1·3	—	0·7	—	0·7	10	1·6	20	2·3	30	3·0	**1·9**	12
170	4·9	160	3·9	170	4·6	210	3·0	200	2·3	180	3·0	170	2·6	—	1·0	—	1·0	—	0·7	140	2·6	130	2·3	3·0	13
120	3·9	120	4·9	120	4·3	130	4·9	140	3·6	140	3·9	140	3·0	140	3·3	160	3·0	—	1·0	—	1·0	130	1·6	3·9	14
60	2·6	60	3·0	50	2·3	50	2·3	40	2·0	30	2·0	50	2·6	40	1·6	30	2·0	—	1·0	—	1·0	—	1·0	2·0	15
140	4·3	140	3·9	150	4·3	140	4·9	150	4·9	140	4·6	150	4·3	150	3·6	170	3·0	160	2·6	170	3·0	170	3·0	2·5	16
180	4·6	170	3·9	160	4·9	170	4·3	160	3·6	160	4·3	150	4·3	140	3·6	140	3·3	140	3·9	140	3·3	140	3·3	3·5	17
100	5·6	100	5·9	100	5·6	100	4·3	130	4·6	130	3·6	120	3·9	130	4·3	130	4·3	140	3·9	130	3·9	120	4·3	4·4	18
100	3·0	90	3·9	90	4·3	80	3·3	80	3·0	100	4·6	110	3·0	110	2·0	—	1·0	50	2·0	60	3·3	60	2·0	3·5	19
20	5·2	50	5·9	40	6·9	40	8·9	30	6·9	20	7·5	10	5·2	10	4·9	10	6·2	10	6·6	360	5·9	360	5·6	4·4	20
50	10·2	50	11·1	50	10·5	50	10·5	50	8·2	50	8·5	40	7·9	30	6·6	360	4·3	350	3·3	330	3·0	330	2·6	7·8	21
350	3·6	10	3·3	340	3·0	—	1·3	120	1·6	—	1·3	210	1·6	—	1·3	—	1·0	250	1·6	270	2·0	270	2·3	2·6	22
330	7·2	330	7·5	340	7·5	330	6·6	310	7·5	320	8·2	320	7·2	300	6·6	300	6·6	300	7·2	300	6·6	300	6·9	5·9	23
310	5·9	330	3·9	310	4·3	240	2·6	170	3·3	160	3·6	150	3·6	140	3·9	170	3·9	170	4·9	180	4·9	170	5·9	5·2	24
220	6·2	220	5·6	220	5·2	220	5·6	210	4·9	200	4·6	200	3·6	190	3·3	200	2·6	210	3·9	200	3·3	200	3·3	5·5	25
—	1·3	120	1·6	340	3·3	310	6·9	320	9·8	330	7·9	340	8·9	330	7·2	330	8·9	330	8·5	320	8·2	310	8·2	4·5	26
280	4·9	280	4·3	300	3·9	290	4·3	300	5·9	300	3·6	310	3·6	300	2·3	310	3·6	280	2·6	290	3·6	280	1·6	5·1	27
170	5·2	170	5·6	180	4·3	180	4·3	180	4·9	200	3·3	210	3·6	—	1·0	—	0·3	—	0·7	—	1·0	—	0·7	2·8	28
120	2·6	120	1·6	130	3·0	80	1·6	330	4·6	310	3·9	300	1·6	—	0·7	—	0·7	—	1·3	—	1·3	—	1·3	2·4	29
110	2·6	120	3·0	150	2·3	140	2·6	160	3·3	170	1·6	110	2·0	—	1·0	250	4·9	260	4·6	260	3·9	260	5·2	2·2	30
—	5·2	—	5·2	—	5·1	—	5·1	—	5·1	—	4·8	—	4·6	—	4·1	—	**4·0**	—	4·1	—	4·2	—	4·3	4·7	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

†*Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : *Speed in metres per second.*

87. Aberdeen : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	260	4·6	—	1·3	350	2·0	—	0·7	—	1·0	330	1·6	340	1·6	30	2·3	60	2·0	80	2·6	80	2·6	80	3·3
2	—	0·7	—	0·7	—	0·3	—	0·7	290	1·6	290	4·6	320	5·9	10	6·6	20	6·6	30	6·6	50	5·6	60	3·9
3	210	3·0	200	2·3	210	2·3	200	3·3	210	4·6	210	4·9	210	4·6	210	4·3	210	3·3	220	3·0	190	2·6	200	3·0
4	—	0·7	—	1·3	—	1·0	—	1·0	—	0·7	—	0·3	—	0·7	—	1·3	—	1·3	110	2·0	110	3·0	80	3·0
5	200	3·3	210	3·3	180	2·6	210	4·6	210	4·6	210	3·0	190	3·6	200	3·9	190	4·3	180	3·6	220	5·6	220	5·6
6	—	1·3	290	2·0	290	2·6	—	0·7	—	0·7	—	0·7	300	2·0	—	1·0	230	2·6	270	3·3	270	3·9	260	4·3
7	—	1·3	—	1·3	—	1·0	210	2·0	220	2·3	260	3·0	250	4·9	260	5·2	260	4·9	260	4·9	240	5·2	240	5·9
8	220	2·0	230	3·0	220	1·6	220	3·0	240	2·0	260	2·0	240	2·3	260	3·3	250	3·6	260	5·6	280	4·9	270	5·2
9	—	1·0	—	1·0	—	1·3	200	2·0	190	1·6	—	1·3	190	3·0	150	5·6	150	3·3	150	3·6	140	4·3	130	3·6
10	290	3·0	290	2·6	300	4·6	300	5·6	280	3·9	290	4·9	280	3·6	250	3·6	250	1·6	220	3·3	180	4·9	170	6·6
11	—	1·3	—	1·3	290	2·3	300	2·3	280	3·0	330	2·6	10	5·6	30	9·8	20	10·5	10	10·2	10	10·5	360	7·9
12	320	7·9	320	8·5	320	9·8	320	8·9	320	8·2	310	9·2	310	8·5	300	10·8	300	10·5	300	12·5	300	11·5	300	12·1
13	280	3·6	280	3·9	280	3·6	290	4·3	300	4·6	280	3·9	290	5·9	310	3·6	330	5·9	340	5·9	340	4·9	350	5·6
14	300	9·2	300	7·2	290	7·5	280	6·2	290	7·2	290	5·6	280	6·2	290	4·3	290	3·0	290	2·3	220	2·0	160	3·6
15	—	0·7	—	1·0	70	3·0	70	3·9	100	2·3	120	2·0	90	3·0	110	3·3	100	3·3	90	2·6	110	3·3	130	3·9
16	310	5·9	310	6·6	310	5·6	310	5·2	300	6·6	300	7·9	300	7·9	300	10·2	300	10·2	300	10·5	300	8·9	310	8·2
17	290	8·9	280	7·2	280	7·9	280	9·5	280	11·5	280	14·8	290	12·1	300	14·1	300	14·1	300	11·8	290	9·8	310	8·5
18	300	7·2	290	6·2	300	4·9	300	6·2	310	4·3	300	4·9	300	6·9	310	5·9	300	4·6	300	4·6	310	3·6	290	3·0
19	—	0·7	200	1·6	—	0·7	210	1·6	210	2·6	210	1·6	280	3·6	290	5·9	290	4·3	280	3·9	290	4·9	280	3·9
20	—	0·3	—	0·7	—	0·7	—	1·3	—	0·7	—	1·3	—	1·3	210	2·3	220	4·9	220	3·6	210	4·3	210	3·3
21	290	7·5	300	7·2	270	5·9	270	4·9	270	6·6	270	6·6	270	5·6	280	7·5	290	6·6	280	7·2	280	7·9	290	7·2
22	—	1·3	—	1·3	330	3·3	330	3·3	330	3·9	330	4·9	330	6·2	330	6·2	330	5·6	300	6·6	320	4·6	320	4·9
23	—	1·3	—	1·3	—	0·7	230	1·6	250	1·6	270	2·0	300	4·3	300	4·6	300	3·9	310	5·6	330	3·9	320	3·9
24	280	2·6	280	2·3	260	2·3	240	1·6	240	3·3	230	3·6	230	4·3	230	2·6	240	4·6	230	4·3	240	3·6	240	3·9
25	260	3·3	260	2·3	250	2·3	270	2·6	290	4·9	290	5·9	310	5·9	310	6·2	330	5·2	320	6·2	320	5·6	320	5·6
26	340	6·2	340	5·6	350	3·6	340	3·3	340	4·3	340	3·9	360	3·9	20	5·2	10	6·6	350	5·2	10	6·2	360	6·2
27	20	4·9	20	4·6	20	4·3	20	5·2	20	4·3	20	4·9	20	4·6	20	5·9	20	6·2	30	5·9	40	5·2	40	6·2
28	350	4·9	350	4·3	360	4·6	350	3·9	350	5·2	10	7·2	10	8·5	10	6·9	10	6·9	360	6·2	10	8·9	10	7·5
29	340	3·3	340	2·3	340	2·0	340	3·6	340	3·9	350	4·3	350	5·2	350	3·9	340	3·9	340	3·9	350	3·3	360	3·9
30	340	2·0	330	2·6	330	2·3	350	3·0	350	3·0	350	2·6	350	2·6	330	4·3	340	5·2	360	4·9	20	5·2	40	5·2
31	340	1·6	340	2·3	320	2·6	310	1·6	320	2·6	330	3·0	330	2·6	340	2·6	360	3·9	10	4·9	50	4·9	50	4·6
Mean ...	—	3·4	—	3·2	—	3·2	—	3·5	—	3·8	—	4·2	—	4·7	—	5·3	—	5·3	—	5·4	—	5·3	—	5·3

88. Aberdeen : H_a = 14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	320	2·0	320	2·0	320	3·0	310	2·3	300	3·6	300	3·9	300	5·2	310	5·6	310	5·6	320	4·6	320	5·2	310	5·9
2	330	3·3	330	4·6	330	5·2	330	3·3	330	3·3	330	3·9	330	4·3	320	3·3	310	3·3	300	2·6	80	2·6	150	3·0
3	310	5·9	310	5·9	310	5·6	310	4·3	310	3·9	290	4·3	310	6·2	300	6·9	300	6·6	300	8·2	300	9·8	310	5·9
4	310	3·9	320	4·6	340	3·6	340	3·3	340	3·3	340	3·3	340	3·6	340	5·2	360	5·2	340	4·9	340	5·2	330	5·6
5	300	2·0	290	2·0	270	1·6	280	2·6	290	1·6	300	4·3	290	3·6	310	5·2	310	3·3	300	3·6	300	2·3	280	1·6
6	320	3·6	310	4·3	310	3·3	300	3·0	310	4·9	310	6·6	310	6·9	310	6·2	310	5·2	330	4·9	330	4·9	330	3·6
7	210	3·0	210	2·0	210	2·6	—	0·7	—	0·3	—	0·0	—	1·3	—	1·0	—	1·3	180	2·3	170	3·0	180	3·3
8	200	3·9	200	2·3	200	5·6	190	4·3	180	4·3	200	4·9	200	7·2	210	9·2	210	8·9	210	7·5	210	8·2	210	8·2
9	180	2·3	220	5·6	210	4·9	220	4·6	210	3·6	240	4·9	250	7·2	240	7·2	250	6·6	240	6·2	260	6·2	260	3·9
10	210	3·9	230	6·9	230	8·9	220	7·9	220	6·6	220	4·9	220	7·5	220	8·9	220	8·5	220	11·5	220	12·1	230	9·5
11	280	8·9	280	9·2	280	10·5	290	13·1	290	14·1	300	9·8	310	8·5	310	10·5	310	10·5	310	13·1	310	10·8	310	12·1
12	260	2·6	220	1·6	210	1·6	220	2·3	210	1·6	210	2·3	210	3·0	200	3·6	200	3·6	200	3·9	190	3·9	170	4·3
13	230	4·3	250	3·6	280	4·9	250	5·6	250	4·6	280	8·5	290	13·1	280	9·8	290	11·8	300	12·5	300	11·8	300	10·2
14	320	8·2	320	7·5	320	8·2	320	7·9	320	7·5	330	8·2	320	7·2	320	7·9	320	6·6	330	7·5	330	8·2	330	9·2
15	300	2·6	290	2·0	260	1·6	280	1·6	—	1·3	—	1·0	—	1·0	—	0·7	110	3·3	150	3·6	150	4·6	160	3·3
16	320	3·0	310	3·3	320	3·3	320	3·3	320	3·9	320	3·9	320	4·9	340	4·6	330	6·9	350	4·9	340	4·9	340	6·2
17	320	3·3	320	2·3	300	2·6	320	3·3	320	3·0	310	5·2	310	4·9	320	4·9	320	4·9	330	2·3	320	2·3	20	1·6
18	220	1·6	—	0·3	—	0·0	—	0·3	—	0·3	—	1·0	—	0·7	—	1·3	150	2·3	160	3·3	170	3·3	180	3·9
19	340	2·0	330	1·6	330	3·6	300	3·0	290	5·9	290	8·2	280	4·9	290	4·9	290	5·6	300	4·9	300	6·2	300	5·2
20	300	3·6	310	4·6	320	4·9	320	5·9	320	5·2	320	5·6	320	6·2	320	7·2	320	6·2	320	7·2	330	6·6	320	7·2
21	270	1·6	250	2·0	190	1·6	—	1·3	250	1·6	280	3·9	280	5·6	290	6·6	290	3·3	290	2·0	290	6·9	280	7·9
22	270	1·6	260	1·6	260	2·3	260	1·6	250	1·6	260	2·6	280	5·6	280	4·9	290	9·2	290	9·5	290	8·9	280	8·2
23	280	3·6	240	3·0	250	2·3	260	3·3	260	4·6	260	5·9	270	5·9	270	6·6	270	6·9	280	7·5	270	8·9	280	8·2
24	240	2·0	270	3·9	280	5·9	280	4·6	300	5·2	360	3·3	350	3·6	320	3·3	330	5·6	300	4·6	320	5·2	320	3·9
25	260	2·6	280	3·6	300	3·3	300	3·9	310	3·9	320	3·9	330	3·9	340	3·6	330	4·3	340	3·6	330	4·6	320	4·6
26	280	2·0	300	2·6	290	2·3	280	2·6	—	1·0	300	3·0	310	5·2	320	6·6	320	6·9	320	7·5	330	7·5	330	6·9
27	260	2·0	260	2·6	—	1·3	—	1·0	—	0·7	—	0·3	—	1·3	—	1·3	—	1·0	—	1·3	130	2·0	140	1·6
28	—	0·7	—	0·7	—	1·0	—	0·3	—	0·7	—	0·0	—	1·0	40	2·3	320	5·6	330	4·6	330	5·6	320	4·9
29	310	6·2	320	6·6	320	5·6	320	4·6	310	3·9	320	5·2	320	5·2	320	4·6	310	5·6	310	4·9	320	5·2	320	4·6
30	—	0·3	—	0·0	—	0·3	—	0·3	290	3·0	300	4·6	310	6·2	310	4·6	320	3·0	320	3·3	310	4·3	330	3·6
Mean ...	—	3·2	—	3·4	—	3·7	—	3·5	—	3·6	—	4·2	—	5·0	—	5·3	—	5·6	—	5·6	—	6·0	—	5·6

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 14 metres + 23 metres.

May, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21		22.		23.		24.		Mean	Day.
°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
100	3·3	90	3·3	90	3·3	110	3·0	120	2·3	100	1·6	100	2·0	—	1·3	110	1·6	—	0·7	—	0·7	—	0·7	**2·1**	1
70	3·9	80	3·3	90	3·3	100	3·0	110	3·0	130	2·6	140	2·0	160	2·0	190	2·6	210	2·3	210	2·0	200	2·6	3·1	2
220	3·0	210	3·3	230	3·9	210	3·0	200	2·3	250	2·6	200	2·6	230	2·6	220	2·0	230	2·0	—	1·0	—	0·7	3·0	3
40	3·6	20	2·6	220	6·6	240	6·6	240	5·6	240	5·9	240	3·9	200	2·3	180	2·3	190	2·6	170	2·3	190	3·3	2·6	4
170	4·3	170	5·2	170	3·6	160	4·9	170	3·3	180	4·3	180	3·0	190	2·6	210	2·3	—	0·3	—	0·7	—	1·0	3·5	5
240	4·3	250	5·2	250	5·6	240	7·2	240	6·2	250	4·9	240	6·6	260	3·6	270	3·9	260	3·0	250	2·6	240	1·6	3·3	6
250	6·2	230	5·9	240	5·6	240	4·9	240	4·6	230	5·6	220	4·3	170	2·0	210	4·3	230	5·2	220	3·0	210	2·6	4·0	7
290	4·3	300	6·6	310	5·2	310	4·9	310	5·9	320	4·6	310	2·0	330	2·0	—	0·0	—	0·3	—	1·0	230	2·0	3·2	8
90	2·6	350	3·3	330	4·3	310	4·6	360	6·2	360	5·9	340	4·6	10	5·6	330	3·6	340	3·6	320	3·9	310	3·6	3·4	9
180	5·2	190	5·2	180	6·2	180	6·9	190	6·2	190	5·9	200	3·6	260	2·3	—	1·3	—	1·0	270	1·6	—	1·3	4·0	10
350	6·9	340	7·2	340	7·5	330	7·5	330	8·2	330	7·5	330	6·6	330	7·2	330	6·9	330	7·5	330	8·5	330	6·9	6·4	11
300	11·5	290	11·5	290	10·5	300	12·5	290	8·2	290	7·5	280	6·9	290	5·9	290	5·2	280	5·2	290	4·3	280	5·2	8·9	12
330	5·2	350	5·6	340	5·2	360	4·3	350	4·6	320	6·2	320	5·6	300	5·2	290	4·6	310	6·9	300	9·2	300	10·2	5·3	13
150	3·9	150	3·9	140	4·9	140	4·9	150	3·3	180	2·3	180	2·3	190	2·6	220	2·6	—	0·7	—	0·3	—	0·3	4·2	14
150	3·9	210	3·0	290	2·3	300	2·3	240	2·3	250	2·3	290	3·0	310	5·2	310	4·3	300	3·6	300	3·0	310	5·2	2·9	15
310	10·2	320	9·5	310	7·2	310	9·2	300	9·5	310	8·5	310	8·2	310	6·6	300	7·5	300	9·2	290	9·5	290	9·2	8·2	16
310	8·5	310	12·1	310	12·1	310	10·2	310	10·2	320	10·2	320	9·2	310	7·5	310	8·5	310	7·2	300	7·9	300	6·6	**10·1**	17
270	2·0	—	1·0	150	1·6	170	2·6	170	2·6	180	2·3	180	2·0	180	2·0	200	2·3	210	1·6	210	2·0	—	1·0	3·7	18
320	3·9	260	3·0	100	3·3	110	2·6	120	2·3	150	2·0	—	0·7	—	1·0	—	0·7	—	1·0	—	0·0	—	0·0	2·3	19
200	4·3	200	3·9	200	3·6	200	4·3	210	4·3	240	5·2	260	4·9	290	5·9	270	3·9	250	2·6	230	3·6	270	3·6	3·0	20
290	7·2	300	8·9	310	7·2	300	7·5	320	7·2	330	6·6	340	4·9	340	6·9	340	4·6	340	5·2	330	3·0	330	3·6	6·4	21
330	4·6	340	5·2	340	3·9	350	3·9	340	3·9	340	3·0	30	2·6	10	2·6	350	1·6	—	1·3	280	2·0	—	1·3	3·7	22
340	3·9	320	4·6	320	5·2	300	4·9	320	4·3	320	4·9	320	3·6	320	3·0	310	3·0	280	1·6	270	2·0	270	2·6	3·2	23
210	4·6	220	5·9	220	5·2	220	5·2	210	5·6	210	5·6	210	5·9	230	5·6	280	4·9	270	5·2	250	2·6	260	3·0	4·1	24
320	5·6	330	6·6	330	7·9	320	9·8	320	11·5	320	11·8	320	8·2	320	6·6	320	7·2	330	6·6	340	5·9	360	4·9	6·2	25
10	5·9	20	6·9	10	5·9	360	5·6	360	6·6	360	4·9	360	4·6	360	3·6	360	4·6	360	3·9	10	3·6	20	3·9	5·0	26
40	6·6	40	7·2	40	7·9	20	5·6	350	5·6	350	5·9	350	4·9	340	4·3	350	4·3	350	4·3	350	4·6	340	3·9	5·3	27
10	9·8	360	6·9	360	6·9	360	6·9	360	6·6	360	5·6	360	4·3	10	4·3	360	3·3	340	3·3	340	3·0	340	3·0	5·8	28
360	3·6	350	3·9	340	3·6	350	3·3	360	3·3	360	3·6	360	3·0	350	3·0	350	1·6	350	2·3	360	2·6	10	3·0	3·3	29
50	6·2	40	5·6	40	4·9	40	4·3	40	4·9	30	4·3	20	3·6	10	3·3	10	2·6	350	1·6	350	2·0	330	2·6	3·7	30
50	3·6	60	4·3	60	4·9	60	5·6	50	3·3	50	4·3	40	3·0	20	1·6	—	0·0	320	2·3	300	2·6	300	2·3	3·1	31
—	5·2	—	5·5	—	5·5	—	5·5	—	5·3	—	5·1	—	4·3	—	3·9	—	3·5	—	3·4	—	3·3	—	3·3	4·4	

June, 1923.

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
330	4·3	330	6·2	340	5·2	340	4·3	340	3·9	360	4·3	350	3·6	340	3·9	330	3·3	310	2·3	320	5·2	330	3·3	4·1	1
180	3·6	180	3·0	180	2·6	230	4·3	320	6·2	360	3·9	110	2·6	320	3·6	310	6·2	300	4·9	300	4·9	310	4·6	3·8	2
310	7·2	320	8·2	330	5·6	340	5·6	330	5·6	350	3·9	350	4·3	10	4·6	360	3·0	340	2·6	330	3·6	320	3·0	5·5	3
330	5·2	330	4·3	330	4·6	330	4·6	350	4·9	340	4·3	340	4·9	320	3·6	330	3·0	320	2·3	—	1·3	—	1·3	4·0	4
260	3·0	—	0·7	—	1·3	—	1·3	—	1·0	300	2·3	310	6·2	340	4·9	350	4·6	340	3·9	340	3·9	340	3·9	2·9	5
340	3·6	340	4·3	330	3·0	290	3·6	130	3·3	140	2·3	140	2·0	140	2·0	160	1·6	—	1·3	—	1·3	200	2·6	3·7	6
170	2·6	190	3·0	240	4·3	260	4·6	260	3·9	240	3·9	230	5·2	210	3·3	210	4·3	200	3·9	210	4·3	200	4·3	2·8	7
210	6·6	220	7·9	210	7·5	210	7·2	230	8·5	250	8·2	240	4·6	230	3·6	220	3·3	210	4·6	190	2·3	190	1·6	5·9	8
270	2·6	250	3·3	240	2·0	230	1·6	200	2·0	190	2·6	210	2·0	—	1·3	180	1·6	180	2·6	160	2·3	190	2·0	3·7	9
230	10·2	240	10·5	250	8·9	250	9·8	260	9·5	270	9·5	280	6·2	280	6·2	280	6·2	280	6·2	280	6·2	280	7·5	8·0	10
310	11·5	310	9·8	310	10·8	300	9·8	300	7·2	290	6·6	290	8·9	290	4·9	300	3·9	280	3·6	280	3·3	260	2·3	**9·0**	11
200	3·9	240	4·3	290	3·3	290	7·9	280	7·2	290	5·6	300	3·9	300	3·6	—	1·3	—	1·0	—	1·3	200	2·3	3·3	12
300	12·1	300	10·2	300	9·2	300	10·8	310	9·5	320	10·2	310	9·8	310	8·9	320	10·5	320	9·5	320	8·5	320	9·2	**9·0**	13
320	7·9	320	8·2	320	7·5	320	6·6	330	5·6	340	5·2	340	5·2	340	4·3	330	3·3	320	3·3	300	3·3	300	3·6	6·7	14
170	4·3	180	3·6	170	3·6	160	3·3	150	2·6	150	2·3	120	2·3	90	3·0	70	2·6	40	2·6	360	2·3	330	2·3	2·6	15
340	6·9	340	6·2	340	6·9	330	5·9	340	5·9	340	5·2	340	4·6	330	4·3	330	5·2	330	3·9	320	3·3	320	3·9	4·8	16
100	4·3	140	3·3	150	3·9	170	3·6	170	2·6	180	3·9	180	3·6	190	4·3	170	2·3	170	2·3	200	1·6	—	1·3	3·3	17
180	4·3	190	5·2	190	4·3	190	4·3	190	3·9	200	2·3	—	1·0	340	4·9	350	2·3	350	2·3	350	2·0	340	1·6	2·4	18
310	5·2	310	6·2	310	3·3	320	4·3	310	4·3	300	5·2	310	6·2	310	5·6	320	4·9	330	3·6	330	4·3	310	4·3	4·7	19
320	7·9	320	6·9	320	5·6	320	5·2	310	3·6	290	2·0	—	1·0	180	1·6	190	2·6	210	2·0	240	2·6	260	2·0	4·8	20
290	6·2	280	6·2	280	6·9	290	6·9	290	6·2	310	3·9	290	4·6	290	3·3	—	1·0	—	1·0	—	1·0	—	1·3	3·9	21
280	8·9	280	8·9	290	8·2	290	8·9	290	9·5	290	7·5	290	8·5	290	6·9	280	6·2	290	4·6	290	4·9	280	5·6	6·0	22
270	7·2	270	6·6	270	7·5	270	8·2	280	10·5	280	8·9	270	6·2	260	3·9	250	3·9	260	3·9	240	2·0	240	2·6	5·8	23
330	3·6	340	3·3	350	3·0	310	3·6	310	3·0	310	3·6	300	4·3	290	3·9	300	3·6	300	4·3	290	5·6	290	3·9	4·0	24
330	4·3	330	3·9	350	4·3	330	2·0	180	2·3	170	2·3	180	2·0	170	2·0	—	1·0	—	1·3	—	1·0	—	1·3	3·1	25
340	6·2	350	5·2	340	5·2	330	6·2	340	5·2	340	3·0	330	3·9	330	3·6	310	2·3	290	2·6	280	2·3	—	1·3	4·2	26
140	3·0	120	2·6	120	2·0	130	2·0	160	1·6	130	3·0	170	1·6	—	1·0	—	0·3	—	0·7	—	0·3	—	1·3	**1·5**	27
350	3·3	120	2·3	130	2·6	160	1·6	140	1·6	320	4·6	300	4·6	300	5·2	310	4·9	310	7·2	300	4·9	310	5·9	3·1	28
320	4·6	320	3·3	10	1·6	210	2·3	220	2·3	220	1·6	—	1·0	—	0·7	200	1·6	220	2·0	—	0·3	—	0·3	3·6	29
310	3·6	350	2·0	160	2·6	210	2·0	240	1·6	—	1·3	340	2·0	320	2·6	310	3·6	310	1·6	300	3·0	310	2·6	2·5	30
—	5·6	—	5·3	—	4·9	—	5·1	—	4·8	—	4·4	—	4·2	—	3·9	—	3·5	—	3·3	—	**3·1**	—	**3·1**	4·4	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

†*Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) :* **Speed in metres per second.*

89. Aberdeen : H_a (Height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·7	300	3·0	290	2·0	290	2·0	290	2·0	290	2·3	310	3·3	290	3·6	320	3·9	320	3·6	330	2·0	350	3·0
2	—	0·3	—	1·0	—	1·0	—	0·3	—	0·0	—	0·3	—	0·3	—	0·7	—	1·3	210	2·3	230	3·3	220	5·2
3	200	4·3	200	4·6	190	3·3	190	5·2	190	4·6	190	4·6	190	4·3	180	3·9	190	3·3	190	4·3	170	3·9	180	4·6
4	250	2·3	240	1·6	—	1·0	—	1·3	—	1·3	180	1·6	150	2·6	—	1·3	170	2·3	130	4·6	150	3·6	160	4·6
5	—	1·3	—	1·0	—	0·7	—	0·7	—	0·7	—	0·7	—	0·3	170	1·6	170	2·3	180	3·3	190	3·0	190	3·0
6	—	0·3	—	0·7	—	0·3	—	0·3	—	0·0	—	0·3	—	1·3	—	1·3	120	2·6	140	3·6	140	3·6	140	2·3
7	150	3·0	140	2·0	—	1·3	—	1·3	170	3·3	170	2·6	150	3·0	130	2·3	130	2·6	120	3·9	130	3·6	120	3·6
8	220	2·3	220	2·3	—	0·7	—	0·3	—	0·7	—	0·7	—	0·3	170	2·3	—	1·0	—	0·7	130	2·0	—	0·7
9	—	1·0	—	0·3	—	1·3	170	1·6	—	1·3	160	2·0	140	1·6	180	2·6	170	2·6	180	3·0	180	3·9	160	3·3
10	110	2·0	150	2·0	—	1·3	—	0·3	—	0·7	—	0·7	—	1·0	80	1·6	80	1·6	—	1·3	100	2·3	—	0·7
11	—	1·0	—	0·3	—	1·0	360	1·6	—	1·3	340	3·0	320	2·3	340	3·3	20	1·6	330	3·3	330	2·6	—	1·3
12	—	0·7	—	1·3	—	0·7	—	1·0	—	1·3	—	1·3	—	1·0	200	2·6	210	3·6	190	3·3	170	3·0	170	2·3
13	—	1·3	—	1·3	280	1·6	290	2·3	—	1·3	—	1·0	10	1·6	70	2·0	70	2·6	70	2·3	80	3·0	80	3·0
14	—	0·7	—	0·3	—	1·0	—	0·3	—	0·6	—	1·3	140	2·0	140	3·3	140	3·0	130	3·0	130	3·6	130	2·6
15	180	3·0	190	2·3	190	3·6	200	3·3	200	2·6	200	3·0	200	3·3	200	3·9	190	4·3	190	3·9	200	3·9	190	3·6
16	—	0·3	—	0·7	—	0·3	—	1·0	—	0·0	—	0·3	—	0·7	—	0·3	40	1·6	330	1·6	130	1·6	130	3·3
17	220	2·0	220	3·0	220	3·6	220	2·0	220	3·0	210	3·0	220	4·3	210	3·9	210	5·2	210	5·2	210	4·9	220	4·6
18	—	0·7	270	2·6	260	2·6	260	1·6	—	0·7	250	3·3	270	2·6	—	1·3	280	5·2	280	2·3	260	3·3	270	2·6
19	—	1·3	—	0·3	260	1·6	—	1·3	240	2·3	240	2·3	220	3·0	220	3·6	220	3·9	210	4·6	200	3·9	220	5·6
20	—	1·0	—	1·0	250	2·6	250	4·9	250	3·0	250	2·6	270	4·6	280	4·9	270	6·6	280	5·9	280	5·9	270	4·9
21	—	1·0	250	2·3	250	2·0	—	1·3	250	2·6	270	3·3	240	3·3	260	4·3	260	2·6	230	3·3	250	5·9	250	5·9
22	210	1·6	190	2·0	—	1·0	—	1·0	—	0·3	—	1·3	—	0·7	180	1·6	160	2·0	210	2·3	—	1·3	230	2·6
23	200	2·3	210	2·0	230	2·0	250	1·6	280	3·0	260	3·0	280	3·0	310	4·3	290	5·9	270	5·9	290	5·2	290	6·2
24	290	3·0	—	0·7	270	2·6	280	1·6	270	2·3	270	2·6	280	3·3	290	5·2	290	3·0	300	3·3	290	2·3	310	2·6
25	—	1·0	—	1·0	—	0·3	—	1·3	—	0·7	—	0·3	—	1·0	—	1·3	150	2·3	170	3·0	200	2·6	300	3·6
26	230	2·3	220	2·3	240	2·6	240	3·0	200	1·6	260	3·0	280	5·9	300	7·2	290	7·9	300	8·2	300	6·9	290	8·5
27	320	4·6	310	4·6	300	3·6	300	3·9	310	3·6	320	3·6	320	3·6	320	3·6	330	3·0	330	2·0	330	1·6	130	2·6
28	140	3·3	150	3·9	140	3·3	130	4·6	130	6·2	130	5·2	130	5·6	120	6·9	120	5·6	120	6·2	120	6·2	110	4·9
29	100	2·6	110	2·3	—	1·3	130	1·6	—	1·3	150	2·3	150	2·3	160	2·6	170	2·3	170	2·3	180	2·6	170	3·3
30	—	0·7	—	0·0	—	0·3	—	0·3	—	0·7	—	1·0	—	0·7	—	1·0	320	2·3	10	1·6	30	1·6	90	2·6
31	70	2·6	50	3·0	30	3·3	30	3·3	30	3·0	40	3·6	30	3·3	30	3·3	20	3·3	40	4·3	40	5·2	50	4·6
Mean ...	—	1·8	—	1·8	—	1·7	—	1·8	—	1·8	—	2·1	—	2·5	—	3·0	—	3·3	—	3·5	—	3·5	—	3·6

90. Aberdeen : H_a = 14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	340	3·6	340	3·0	330	2·3	340	3·0	320	3·0	320	3·3	320	4·3	320	3·3	320	3·9	320	3·0	310	3·3	350	3·3
2	—	1·3	—	0·3	—	1·0	—	1·3	—	0·3	—	0·7	—	0·3	120	1·6	—	1·3	130	2·3	170	3·0	170	2·6
3	170	6·6	180	5·9	200	3·3	260	5·2	270	6·6	270	5·6	270	6·6	280	6·9	290	6·9	280	7·5	290	7·9	290	8·9
4	270	5·2	260	3·9	270	4·3	250	4·6	260	3·3	270	3·9	290	7·5	300	8·5	290	6·6	300	9·8	290	6·6	310	5·9
5	—	1·3	140	2·0	150	2·3	176	1·6	170	2·3	170	2·6	170	2·6	170	2·0	150	4·3	160	3·3	170	3·6	150	3·3
6	—	1·3	—	1·3	—	1·0	—	1·0	—	0·3	—	0·3	—	1·0	—	1·0	180	2·0	210	3·6	210	4·9	220	5·6
7	—	1·3	160	1·6	—	1·0	160	1·6	180	2·0	170	2·0	180	2·0	190	3·3	200	3·0	190	2·0	180	2·3	—	1·3
8	320	3·3	320	2·6	300	4·6	310	3·3	300	2·6	300	3·0	300	2·6	330	1·6	80	1·6	130	2·6	140	2·3	160	2·6
9	170	2·3	200	2·0	200	2·6	210	3·3	220	3·0	220	2·6	240	3·0	210	2·6	230	3·3	210	3·0	280	2·6	260	2·6
10	220	2·0	220	2·3	220	3·0	210	3·3	220	3·0	230	3·3	230	3·6	250	4·3	240	3·9	260	2·6	260	4·6	260	4·6
11	240	3·3	240	3·0	—	1·3	250	2·6	260	1·6	270	2·6	280	3·3	280	5·2	280	4·6	310	5·6	320	4·6	300	4·6
12	—	1·0	290	1·6	—	1·3	280	2·0	—	1·3	—	1·0	—	0·3	—	1·0	160	2·0	180	3·3	180	3·6	170	3·3
13	200	2·0	190	2·6	190	2·0	180	1·6	210	2·6	—	1·0	—	1·3	210	3·9	210	3·6	210	2·0	200	2·0	240	3·0
14	260	1·6	—	1·3	—	1·0	—	1·3	210	1·6	210	2·3	220	3·6	250	3·3	240	2·0	260	3·0	250	1·6	170	3·3
15	240	2·0	280	1·6	260	1·6	—	0·7	—	1·0	210	2·0	230	3·0	240	2·6	240	3·9	270	3·9	290	5·9	280	4·9
16	280	3·9	290	4·6	290	3·6	270	2·0	260	1·6	270	2·6	270	3·0	280	4·6	280	5·2	290	5·6	300	5·6	290	5·2
17	220	1·6	200	2·0	190	2·0	170	3·3	170	3·9	170	4·6	170	5·2	180	4·9	190	3·3	210	3·3	200	1·6	210	2·0
18	—	1·0	300	2·6	300	4·3	300	3·3	300	3·6	300	4·3	310	4·9	310	4·9	20	4·3	40	5·9	50	4·6	40	5·2
19	—	1·0	300	1·6	300	1·6	290	1·6	290	2·0	290	1·6	290	1·6	290	1·6	—	1·0	30	2·0	—	1·3	140	1·6
20	—	1·3	—	0·7	—	0·7	—	0·7	—	1·3	150	1·6	140	2·6	130	3·0	130	3·3	140	3·9	140	3·3	140	3·6
21	130	5·2	140	6·6	150	4·9	160	5·2	170	6·6	170	5·2	180	3·9	180	5·2	190	6·2	180	5·6	180	6·2	180	6·6
22	210	3·9	230	5·2	230	4·6	220	3·6	220	3·3	230	4·9	230	5·2	220	4·6	250	5·6	260	7·9	260	7·2	260	6·9
23	250	3·9	250	4·3	240	3·9	230	3·3	230	2·0	230	3·0	250	4·6	250	3·0	250	3·3	280	4·3	290	4·3	200	1·6
24	190	2·3	190	1·6	—	0·7	—	0·7	—	0·7	—	1·0	—	1·0	—	1·3	—	1·3	10	4·3	10	6·6	360	6·9
25	300	4·9	290	3·6	290	2·6	300	4·3	280	3·0	260	3·0	280	2·3	290	2·3	270	1·6	—	1·0	220	2·3	160	3·3
26	210	2·6	220	3·6	220	3·6	230	3·9	240	3·0	230	4·3	210	3·3	200	3·6	210	4·9	220	4·9	210	3·3	200	4·6
27	190	2·3	—	1·0	210	2·0	250	2·6	—	1·0	210	3·3	200	2·6	180	3·0	200	4·3	210	3·9	190	4·9	180	3·6
28	—	1·3	—	1·3	—	1·0	—	0·3	—	1·0	—	1·0	270	1·6	280	4·3	290	3·6	310	3·9	310	4·6	310	3·6
29	220	2·6	—	1·0	—	0·7	—	0·3	240	2·6	250	2·6	—	1·0	—	0·7	140	2·3	140	4·3	160	4·3	160	4·3
30	40	3·3	30	4·9	350	4·6	340	3·6	320	5·2	330	4·6	320	6·6	320	5·9	300	5·9	300	6·6	300	7·2	310	4·9
31	—	0·7	—	0·7	—	1·0	—	0·7	—	1·3	300	1·6	300	2·0	—	0·7	—	1·0	100	3·0	120	2·0	130	3·3
Mean ...	—	2·6	—	2·6	—	2·4	—	2·4	—	2·5	—	2·8	—	3·1	—	3·4	—	3·5	—	4·1	—	4·1	—	4·1

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

† Directions obtained from records of the Dines Tube Anemograph. * Speeds obtained from records of the Robinson Cup Anemograph.

Averages for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (Height of anemograph above ground) = 14 metres + 23 metres.

July, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	1·3	170	2·0	200	2·3	210	2·3	200	2·0	200	2·3	210	2·3	200	2·3	210	2·3	200	2·0	—	0·7	—	0·7	2·3	1
200	5·6	190	3·9	200	3·9	200	3·3	200	3·3	190	3·3	200	3·3	200	3·3	200	3·9	180	3·6	210	5·2	200	3·3	2·5	2
190	3·3	240	5·2	260	5·6	260	4·6	280	4·6	280	3·3	280	2·3	—	0·7	—	0·7	250	2·6	250	3·0	250	2·6	3·7	3
170	3·3	170	4·3	170	4·3	180	3·3	190	3·9	190	2·6	170	3·0	190	3·3	210	3·0	230	3·3	260	2·3	—	1·0	2·8	4
200	3·0	190	3·0	180	3·0	180	2·6	200	3·3	180	2·0	180	1·6	200	1·6	—	0·7	—	1·0	—	0·7	—	0·3	1·7	5
150	4·3	110	3·0	100	3·6	130	3·3	120	2·3	130	3·3	—	1·3	120	2·0	160	3·0	—	1·3	150	1·6	160	2·3	2·0	6
120	2·3	120	3·3	140	2·0	120	3·0	140	2·0	120	2·0	150	1·6	140	2·3	250	2·0	—	1·3	160	1·6	200	2·0	2·4	7
160	3·0	140	3·6	130	2·3	170	2·6	210	3·3	350	1·6	360	1·6	—	1·3	310	3·9	360	1·6	340	1·6	—	1·0	1·7	8
170	3·3	150	2·6	150	2·0	130	1·6	140	3·0	130	1·6	140	2·6	150	2·6	—	0·7	130	1·6	—	1·0	—	1·0	2·0	9
—	1·0	10	2·0	10	2·0	40	2·0	30	3·0	50	3·6	30	2·6	—	1·0	—	0·3	—	0·3	—	1·0	—	0·7	1·5	10
310	3·0	100	2·6	—	1·3	—	1·0	—	1·3	—	1·0	120	1·6	—	1·0	—	0·7	—	1·3	—	1·0	—	0·3	1·6	11
140	3·0	220	3·3	220	3·9	350	2·0	40	2·6	—	1·0	—	1·0	—	1·3	—	1·0	—	1·0	—	0·3	—	1·3	1·8	12
80	3·9	60	4·6	60	4·6	50	3·9	40	4·3	40	3·6	50	2·3	—	1·3	—	0·7	—	1·0	—	0·3	—	1·3	2·3	13
150	3·9	160	4·3	170	3·9	170	3·3	170	2·6	170	3·9	180	3·3	180	2·3	180	2·6	190	2·3	190	2·6	190	2·6	2·4	14
180	5·2	190	3·9	180	4·3	200	2·6	210	3·6	220	3·3	220	2·6	220	3·3	—	1·3	—	1·3	230	1·6	—	1·3	3·2	15
150	3·3	110	3·3	110	1·6	90	1·6	—	1·3	240	3·6	240	3·3	220	3·3	240	2·6	220	3·6	220	2·6	200	2·6	1·8	16
240	5·9	240	6·9	240	6·6	230	5·2	240	4·6	250	4·3	240	4·3	240	3·3	260	3·0	250	2·6	—	1·3	—	1·3	3·9	17
90	3·0	100	3·0	150	2·6	—	1·0	140	2·3	140	1·6	—	0·3	—	1·0	—	0·3	—	1·0	—	0·7	—	1·0	1·9	18
220	5·9	200	3·0	180	4·3	170	3·3	160	2·0	240	3·9	270	2·6	270	3·0	260	3·6	230	1·6	200	3·0	210	2·3	3·0	19
270	5·6	270	6·9	260	4·9	250	4·6	220	4·6	220	3·6	210	4·3	210	5·9	—	1·3	200	2·3	—	1·0	—	0·7	3·9	20
260	5·6	260	5·6	260	3·9	260	4·6	270	4·3	240	2·0	240	1·6	260	2·6	240	2·6	200	2·3	230	2·6	220	2·0	3·2	21
250	4·9	220	2·3	230	4·9	230	5·2	230	4·9	210	3·9	220	3·6	230	4·9	250	2·6	230	2·6	220	4·3	230	3·0	2·7	22
280	4·6	290	5·9	290	5·9	310	5·2	310	5·6	310	5·2	300	3·3	310	4·3	290	4·3	300	3·6	280	3·9	290	3·3	4·1	23
—	1·3	160	2·6	180	2·6	—	1·3	—	0·7	—	1·3	320	2·0	—	0·7	160	1·6	—	1·0	230	1·6	—	1·3	2·1	24
310	5·6	280	6·6	280	5·9	290	6·6	270	5·6	290	6·2	280	4·6	260	3·3	250	2·3	220	2·6	210	2·3	210	3·0	3·0	25
290	4·6	310	5·2	320	5·6	320	5·2	320	7·2	320	6·9	320	6·6	310	5·6	310	8·2	310	6·9	320	7·9	320	5·2	**5·6**	26
120	3·6	120	3·6	130	3·9	130	3·6	130	3·9	140	4·3	140	3·6	140	3·3	140	3·3	140	3·9	140	4·3	140	3·3	3·6	27
110	5·2	110	5·9	100	5·9	100	5·2	100	5·9	90	5·6	90	3·9	80	3·9	80	3·6	80	3·3	80	2·3	80	1·6	4·8	28
160	3·6	160	3·9	160	3·9	150	3·3	140	3·3	150	3·0	150	3·0	160	3·6	170	3·9	200	2·3	—	0·7	—	0·3	2·6	29
90	3·3	120	3·3	150	1·6	140	2·0	140	1·6	120	2·3	—	1·3	140	2·0	—	1·3	—	1·3	—	0·3	20	2·0	**1·4**	30
50	5·6	40	5·2	50	4·6	50	3·0	40	3·3	40	3·6	30	3·6	40	4·6	10	2·6	10	2·3	340	3·0	340	2·3	3·6	31
—	3·9	—	**4·0**	—	3·8	—	3·3	—	3·4	—	3·2	—	2·7	—	2·7	—	2·4	—	2·2	—	2·1	—	1·8	2·7	

August, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
130	2·0	210	2·6	200	2·6	220	2·3	220	1·6	240	2·0	240	3·0	250	2·3	250	2·3	—	1·0	280	1·6	280	1·6	2·7	1
140	3·0	150	4·9	150	7·2	150	6·6	130	6·6	130	9·8	130	10·5	140	9·2	140	10·5	150	7·5	160	8·2	160	9·2	4·4	2
290	11·5	290	12·1	290	11·8	300	11·5	290	9·2	280	7·9	290	8·2	280	7·9	270	6·2	280	5·6	270	3·6	270	3·9	**7·5**	3
310	4·6	320	5·2	320	3·9	240	2·3	160	3·0	150	2·6	100	1·6	—	1·3	100	2·0	140	1·6	120	2·0	130	1·6	4·3	4
160	3·9	170	3·9	160	3·9	180	4·3	170	4·3	170	3·0	150	3·0	160	1·6	160	2·0	180	1·6	—	1·0	—	1·0	2·7	5
220	5·6	200	3·9	190	3·6	140	2·0	180	3·6	180	3·0	210	3·6	200	3·3	210	4·6	200	2·6	180	2·0	—	1·0	2·6	6
260	2·3	—	1·3	—	1·3	60	1·6	—	0·7	—	0·3	—	1·0	—	1·0	300	2·0	300	4·3	310	3·9	320	3·6	1·9	7
160	4·6	170	3·6	170	4·3	170	3·3	180	3·6	170	4·3	170	3·0	190	3·9	190	2·6	190	3·9	190	3·0	190	2·3	3·2	8
260	3·6	300	2·6	50	2·6	—	1·0	10	2·6	270	3·9	260	3·6	280	3·3	—	0·7	260	1·6	230	2·0	—	1·3	2·6	9
260	4·9	270	4·9	270	5·6	290	6·6	280	5·2	280	4·3	280	2·0	290	3·3	250	3·3	260	3·0	240	2·0	230	3·3	3·7	10
290	3·6	300	3·6	320	2·6	150	3·3	170	1·6	—	0·7	—	1·3	—	0·7	—	1·3	—	1·0	—	0·7	—	1·0	2·7	11
170	3·3	180	3·6	180	3·3	180	3·9	180	3·3	200	3·0	170	2·3	200	2·0	210	2·0	200	3·0	200	3·0	200	2·0	2·3	12
240	2·0	230	2·0	290	4·6	270	4·9	280	4·6	320	2·6	300	4·6	280	2·6	310	2·3	280	3·3	260	3·0	250	3·3	2·8	13
170	2·3	20	2·0	110	2·6	200	2·0	90	2·0	50	2·3	—	1·3	—	0·3	—	1·0	260	1·6	270	2·0	270	2·0	2·0	14
280	5·2	290	5·9	280	4·6	280	6·2	300	4·6	280	3·3	290	3·6	280	3·9	270	1·6	270	3·3	270	2·3	270	2·3	3·3	15
300	5·6	290	3·3	340	3·3	100	1·6	160	2·6	—	1·0	140	2·0	—	1·3	170	1·6	—	1·3	170	1·6	180	2·0	3·1	16
—	1·0	230	1·6	230	2·3	310	2·3	—	0·3	—	0·7	—	1·0	—	1·3	—	0·7	270	1·6	270	1·6	290	2·0	2·3	17
40	4·9	40	4·9	40	4·9	50	4·9	50	4·9	50	3·0	—	1·3	340	1·6	330	1·6	310	1·6	—	1·0	300	2·0	3·6	18
130	2·3	130	2·6	120	2·3	150	2·6	160	1·6	150	2·3	170	2·0	—	1·0	—	1·3	—	1·3	—	1·3	—	1·3	**1·7**	19
130	4·9	130	3·9	130	3·9	130	4·9	140	3·0	140	2·3	140	2·3	140	2·6	140	2·6	130	3·9	140	2·6	140	3·6	2·7	20
200	6·2	230	7·2	250	7·5	250	5·6	240	6·6	240	6·6	240	8·5	240	5·6	230	6·6	220	3·6	220	5·2	210	3·3	5·8	21
270	6·9	280	5·6	270	4·9	270	6·2	260	5·9	260	3·6	240	2·6	250	3·6	230	1·6	230	2·3	240	2·6	240	2·6	4·7	22
190	3·0	220	3·6	230	4·9	210	4·6	210	3·9	200	3·0	170	3·3	160	3·9	130	4·9	100	6·2	110	8·2	150	4·9	3·9	23
350	5·9	340	6·9	340	6·2	340	5·9	340	6·6	340	6·2	340	6·2	330	5·6	320	6·6	320	4·9	300	4·6	310	6·9	4·2	24
150	3·6	170	5·6	160	4·6	160	5·6	160	4·3	150	5·2	170	4·3	170	3·3	160	4·3	170	3·9	180	3·3	200	3·3	3·6	25
180	3·6	180	3·9	180	3·3	180	3·3	200	3·0	180	2·3	180	2·0	190	2·6	180	2·0	210	2·3	210	3·3	190	1·6	3·3	26
200	5·6	210	4·3	190	5·2	190	3·3	190	3·9	190	3·0	210	2·3	210	2·0	220	2·3	220	2·0	240	2·0	—	1·0	3·0	27
290	4·6	310	4·3	300	5·2	310	5·2	300	4·9	300	3·9	280	3·9	280	2·6	260	2·6	260	2·3	260	2·0	270	3·0	3·0	28
150	4·6	150	5·2	150	3·9	140	4·9	140	3·3	120	4·3	110	3·3	130	2·6	120	4·9	80	6·2	50	4·6	20	3·6	3·2	29
360	2·6	350	3·0	10	2·3	—	1·0	—	1·0	—	1·3	—	0·3	—	0·7	—	0·7	—	0·0	—	0·3	—	1·0	3·3	30
160	2·3	160	3·9	160	2·3	160	2·6	150	2·0	—	0·7	—	0·0	—	0·7	310	2·0	300	2·0	300	3·0	300	3·6	**1·7**	31
—	4·2	—	**4·3**	—	4·2	—	4·1	—	3·7	—	3·3	—	3·2	—	2·8	—	2·9	—	2·9	—	2·8	—	2·7	3·3	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

† Directions obtained from records of the Dines Tube Anemograph. * Speeds obtained from records of the Robinson Cup Anemograph.

†*Direction expressed in degrees from North.* ($E = 90°$, $S = 180°$, $W = 270°$, $N = 360°$); **Speed in metres per second.*

91. Aberdeen : . H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s	°	m/s.	°	m/s
1	300	3·3	290	3·0	300	3·0	300	3·3	290	3·0	290	2·6	290	3·3	300	4·6	300	3·9	340	2·6	80	2·3	90	2·0
2	300	3·3	320	4·6	320	4·9	320	4·3	320	4·6	310	5·2	310	5·2	300	6·2	310	6·6	310	6·6	320	6·2	320	6·6
3	—	1·3	290	2·0	280	1·6	290	2·0	290	1·6	280	1·6	—	1·3	170	2·6	190	2·6	200	3·3	180	3·6	190	3·3
4	190	3·0	190	3·0	200	2·3	220	2·3	270	3·3	310	5·6	310	4·3	300	4·6	310	5·2	320	5·6	310	6·6	320	5·2
5	190	2·0	190	1·6	210	2·3	210	4·3	210	5·2	210	4·6	220	4·3	210	3·6	210	3·9	210	3·3	240	2·3	270	3·6
6	250	2·0	240	2·0	280	2·3	220	2·3	—	1·0	230	1·6	230	3·0	—	1·0	—	1·0	210	2·0	230	3·9	220	4·9
7	210	3·0	270	4·3	330	2·3	310	4·3	300	5·2	260	2·6	280	3·3	280	5·2	290	5·9	290	8·2	290	7·5	300	5·9
8	—	1·3	—	1·3	260	2·0	220	1·6	230	1·6	—	1·3	—	1·3	200	1·6	190	3·0	230	3·6	210	3·6	210	5·2
9	200	3·9	190	2·6	200	3·3	180	2·6	190	3·6	200	3·9	200	3·3	210	8·5	210	6·2	220	8·9	220	8·2	220	7·9
10	240	2·6	230	2·3	230	2·6	250	2·0	290	1·6	260	1·6	260	2·3	250	3·3	300	5·6	290	5·6	290	5·9	300	4·9
11	220	3·9	220	4·6	220	4·6	210	5·6	200	3·6	200	4·6	200	3·6	190	3·9	200	3·6	220	4·9	190	3·3	220	6·6
12	220	5·6	240	4·3	240	3·6	260	5·6	250	5·6	250	6·6	250	7·9	250	8·2	240	8·9	250	9·5	260	9·5	270	9·2
13	—	1·3	280	1·6	—	1·3	280	2·3	300	3·0	—	1·3	—	1·0	—	0·3	80	2·0	130	3·9	130	4·6	130	5·6
14	170	5·6	180	5·9	180	5·2	190	4·6	190	4·6	200	2·3	190	3·0	210	4·3	220	4·9	220	4·6	230	5·2	220	4·9
15	200	3·0	200	2·3	220	2·0	210	1·6	210	2·3	200	3·3	220	2·0	220	3·3	230	2·0	200	2·6	200	2·3	200	4·3
16	210	4·6	210	4·6	220	4·3	230	3·6	240	4·9	230	2·6	230	2·3	220	3·3	260	5·2	280	5·9	290	6·6	290	6·6
17	230	2·3	220	2·6	210	3·0	210	3·0	200	4·6	210	3·9	200	3·9	190	6·2	190	6·9	190	6·9	180	8·2	180	8·5
18	190	6·9	210	4·6	210	2·3	220	1·6	—	0·7	—	1·3	310	2·0	310	3·0	310	3·3	310	3·3	310	4·6	320	4·3
19	280	3·0	260	3·3	250	2·6	240	1·6	220	2·6	210	1·6	—	1·3	200	1·6	220	2·6	230	4·3	230	4·3	230	5·6
20	—	1·0	—	0·7	—	0·7	240	1·6	—	1·3	—	0·7	—	0·3	—	1·3	300	1·6	350	3·0	20	3·0	360	2·3
21	290	2·6	280	2·6	280	2·0	—	1·3	—	1·3	—	0·7	—	1·3	300	1·6	290	2·3	290	3·3	300	3·0	300	2·3
22	—	1·3	—	1·3	210	2·3	210	2·6	—	1·0	—	0·3	—	1·3	250	1·6	230	2·3	250	2·3	260	3·3	240	2·6
23	280	1·6	280	1·6	280	2·0	280	2·0	280	2·3	290	2·3	280	2·0	280	1·6	—	1·3	—	0·7	—	0·3	—	1·3
24	290	2·6	280	3·0	280	3·3	280	3·3	270	2·3	—	1·3	280	2·3	280	2·3	280	3·0	310	2·0	310	2·0	—	1·3
25	140	6·6	150	6·6	130	6·6	140	8·2	140	9·2	140	8·2	140	7·9	130	9·2	130	8·2	140	6·2	150	3·0	160	2·6
26	300	3·9	300	3·6	290	4·3	280	1·6	280	1·6	250	2·0	210	1·6	200	1·6	—	1·0	250	2·6	280	3·6	300	3·6
27	—	0·7	—	1·0	210	2·3	190	2·3	190	2·6	180	2·3	190	3·9	180	3·3	190	4·9	200	5·6	190	4·9	180	4·6
28	200	6·9	200	5·6	210	5·2	210	3·6	190	1·6	210	2·6	260	4·3	310	3·0	320	3·0	300	6·6	300	6·6	280	4·9
29	—	0·3	270	2·6	270	3·3	240	3·6	240	4·3	280	2·0	250	2·0	220	2·3	220	3·3	230	2·3	240	2·3	230	2·0
30	210	2·3	200	2·6	—	1·0	—	1·3	—	0·3	—	0·7	—	0·3	—	0·7	—	1·0	—	1·3	190	2·6	180	3·6
Mean ...	—	3·1	—	3·1	—	2·9	—	3·0	—	3·0	—	2·7	—	2·9	—	3·4	—	3·8	—	4·4	—	4·4	—	4·5

92. Aberdeen : H_a =14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·3	—	1·3	150	2·0	310	2·0	300	3·6	270	3·3	250	3·0	220	2·3	250	1·6	260	4·3	220	3·6	260	5·9
2	210	3·9	200	3·0	200	4·3	190	3·0	230	4·6	300	7·5	300	8·5	300	8·2	300	7·5	290	6·6	280	8·5	290	7·2
3	240	2·3	—	0·7	270	1·6	—	1·3	280	1·6	290	2·0	300	2·6	300	2·6	300	2·6	310	3·3	350	3·0	360	3·0
4	330	4·6	320	3·3	310	3·3	310	4·9	330	3·9	320	4·3	320	3·0	310	3·0	330	3·3	330	3·3	330	5·6	310	3·6
5	—	1·3	220	1·6	—	1·3	200	2·3	200	3·3	200	3·9	180	3·6	200	3·6	200	5·2	200	4·9	210	4·9	200	4·6
6	240	3·3	—	1·0	230	2·3	220	3·3	220	3·3	210	3·0	—	1·3	—	1·0	230	2·0	230	4·6	220	3·3	240	3·6
7	220	3·0	220	3·3	200	3·0	190	3·3	190	3·0	180	3·0	200	4·6	200	5·2	200	4·3	200	5·6	210	6·6	210	5·2
8	270	3·0	270	3·0	260	3·3	230	3·3	230	2·6	230	3·0	240	3·6	240	4·3	250	3·3	270	4·3	270	4·9	280	4·9
9	180	4·6	200	3·6	200	5·9	220	4·6	250	5·6	240	7·9	240	8·2	240	8·5	240	10·5	250	12·1	250	11·5	250	11·1
10	250	3·6	240	5·2	250	5·2	240	3·6	200	1·6	240	3·9	230	3·3	230	3·6	230	5·6	230	6·9	240	6·9	240	5·9
11	250	3·9	260	5·6	260	5·6	260	4·9	250	3·9	260	4·6	260	5·2	270	6·6	280	8·9	280	9·2	280	8·2	280	8·5
12	220	5·6	230	4·6	230	4·6	230	2·0	220	2·0	220	2·6	210	3·3	210	4·6	200	2·6	200	4·3	190	3·6	180	3·3
13	—	1·0	100	2·6	110	3·0	40	2·3	300	3·0	300	4·9	300	4·3	300	4·6	320	3·9	330	4·3	350	4·9	340	5·6
14	280	3·3	270	3·0	260	2·0	270	2·6	250	2·3	240	1·6	260	2·6	280	3·9	280	6·2	300	5·9	310	7·2	310	6·9
15	—	1·3	—	1·0	—	1·3	240	2·3	220	2·0	210	2·0	—	1·0	230	2·6	230	2·6	210	3·3	230	3·0	230	3·6
16	—	0·7	—	1·0	240	2·0	240	2·0	310	2·0	350	3·9	330	2·6	320	3·9	330	3·3	320	4·3	310	5·9	320	6·2
17	210	3·6	200	3·6	210	2·6	240	2·6	260	1·6	—	1·3	—	1·0	260	3·0	280	4·6	260	3·0	270	4·6	270	3·6
18	190	1·6	180	2·0	190	1·6	—	1·3	180	2·3	200	2·0	200	2·3	210	3·3	210	3·3	200	3·3	180	3·3	190	3·6
19	180	5·6	170	4·9	160	5·9	160	5·9	150	7·9	160	7·9	160	7·9	160	8·5	190	6·6	220	8·5	250	7·2	230	7·5
20	190	2·6	220	2·3	240	1·6	200	3·9	210	4·3	200	5·6	200	5·2	200	4·9	210	4·6	210	8·5	210	7·2	200	7·2
21	160	7·9	160	7·9	160	7·9	160	7·2	160	7·9	150	9·2	170	7·2	170	7·2	180	6·6	210	5·2	260	4·9	250	4·9
22	—	1·0	200	1·6	—	1·0	—	1·0	200	2·3	220	4·3	200	1·6	210	2·3	200	4·6	210	3·3	210	3·9	210	3·9
23	260	5·2	260	4·9	250	5·6	260	4·9	230	2·6	240	2·6	230	1·6	—	0·3	—	0·7	220	3·0	210	2·0	190	2·6
24	280	2·6	270	3·6	270	3·3	270	3·3	240	2·6	240	3·0	250	1·6	240	1·6	240	2·6	260	4·3	250	3·9	260	4·3
25	—	1·0	—	0·0	—	0·7	—	1·0	—	0·7	—	1·0	—	1·0	—	1·3	240	2·6	230	3·3	240	4·3	240	4·3
26	230	4·6	220	4·6	220	3·9	190	3·0	190	1·6	—	0·7	170	5·2	150	2·3	150	6·2	140	5·2	100	6·2	190	5·9
27	—	1·0	—	0·3	—	0·7	140	3·6	140	6·6	130	6·9	130	8·9	130	10·2	130	10·8	140	9·2	170	6·9	190	3·9
28	160	7·2	150	8·2	150	9·5	150	8·2	180	4·3	200	4·3	190	4·6	190	3·3	190	4·6	190	5·9	200	6·6	210	5·9
29	240	2·0	260	1·6	—	1·3	240	2·6	240	3·0	230	2·6	220	2·3	200	2·3	190	2·0	200	3·3	200	3·0	210	3·9
30	190	3·3	100	2·3	190	3·6	190	4·6	190	3·3	190	3·9	180	2·0	210	4·3	210	5·2	220	4·3	250	4·9	220	4·9
31	230	5·9	200	2·3	200	3·6	200	4·3	180	2·0	200	3·0	210	3·0	220	3·6	210	3·0	230	3·0	250	5·2	260	5·2
Mean ...	—	3·3	—	3·0	—	3·3	—	3·4	—	3·3	—	3·9	—	3·7	—	4·1	—	4·6	—	5·2	—	5·3	—	5·2

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

Averages, for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 14 metres + 23 metres.

September, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
110	3·0	120	1·6	—	0·7	—	0·7	—	0·3	310	1·6	340	2·3	320	2·0	310	2·6	300	2·3	300	4·3	300	3·3	2·6	1
320	5·2	320	5·2	320	5·9	330	5·2	330	4·3	340	3·0	320	2·0	290	1·6	270	2·0	290	2·3	280	1·6	—	1·0	4·4	2
200	3·6	220	5·9	210	4·3	180	3·9	190	3·3	190	3·3	210†	3·3	200	2·6	210	3·0	210	3·6	210	2·0	190	2·6	2·8	3
310	4·6	300	3·3	290	3·9	280	2·3	290	3·0	260	2·3	260	2·3	260	3·0	240	2·0	—	1·3	200	1·6	—	1·3	3·4	4
290	5·2	280	5·2	280	4·9	270	4·9	290	6·9	290	4·3	260	4·3	250	3·3	260	2·6	260	2·0	250	2·0	—	1·3	3·7	5
210	5·2	210	5·9	210	5·6	210	4·9	210	5·9	210	4·3	200	3·6	220	4·6	210	7·5	210	7·2	220	5·2	220	3·0	3·7	6
280	6·6	300	6·9	300	5·9	300	5·6	300	5·9	290	3·9	300	3·3	260	2·0	300	2·3	300	2·3	—	1·3	290	1·6	4·4	7
220	5·9	200	4·3	210	4·3	210	4·3	210	4·9	200	4·6	180	3·0	170	3·0	200	3·3	200	3·9	200	4·3	200	3·9	3·2	8
240	6·9	250	5·6	250	6·6	260	6·6	270	4·6	280	3·3	270	3·0	260	2·3	240	2·0	—	0·7	—	1·3	240	2·6	4·6	9
280	5·9	290	6·2	280	4·6	280	4·3	280	4·6	290	3·0	290	1·6	210	1·6	230	1·6	230	2·6	220	2·0	220	3·3	3·4	10
220	4·9	220	4·9	230	5·9	220	7·5	210	4·6	210	6·9	210	6·2	220	4·3	230	8·2	220	7·9	210	6·9	210	6·2	5·2	11
270	9·5	280	9·2	290	9·2	280	6·9	290	5·9	300	4·3	290	4·3	280	2·6	290	3·6	270	3·0	290	2·3	280	1·6	6·2	12
130	5·9	160	4·3	150	4·9	140	6·6	140	6·6	140	6·2	150	5·2	160	4·9	160	3·6	170	4·6	180	4·3	170	5·6	3·7	13
230	5·6	220	5·9	210	4·3	230	4·6	210	3·3	200	3·0	190	2·6	190	2·3	190	3·3	190	3·0	200	3·9	210	2·0	4·2	14
200	4·6	190	4·6	190	3·9	210	4·3	220	4·9	220	4·3	220	2·6	220	3·6	230	3·9	250	3·0	220	3·3	220	3·6	3·2	15
290	7·5	300	6·9	300	6·9	290	4·9	300	4·9	280	4·9	280	3·0	270	2·6	270	2·6	300	1·6	—	0·7	240	1·6	4·3	16
180	9·2	180	7·9	190	7·9	180	8·5	180	8·9	180	10·5	180	9·2	180	7·5	180	9·8	180	8·5	190	8·5	190	8·2	**6·7**	17
320	3·9	320	3·0	320	3·6	320	2·0	320	1·6	—	1·0	260	2·0	—	1·3	270	2·0	280	2·0	290	2·6	290	3·3	2·8	18
210	4·9	190	3·3	190	5·2	190	2·6	180	2·0	190	2·6	200	2·6	210	2·3	270	2·3	290	2·6	—	1·3	250	1·6	2·9	19
330	3·6	320	3·6	320	3·3	330	2·6	320	2·3	—	0·0	—	0·7	—	1·0	270	1·6	280	2·3	—	1·3	290	1·6	**1·7**	20
280	2·0	320	2·0	—	1·0	—	1·3	—	1·3	220	3·6	220	2·6	220	2·6	230	2·3	240	2·3	240	1·6	—	1·3	2·0	21
230	3·6	230	3·9	210	3·6	220	4·6	280	2·6	—	1·0	—	0·3	—	0·7	—	1·0	—	1·0	—	1·3	—	1·3	2·0	22
110	2·3	—	1·3	140	1·6	—	1·0	—	1·3	—	0·3	290	1·6	290	2·0	280	2·6	280	3·0	280	3·6	280	2·3	1·8	23
110	3·0	100	2·6	120	3·3	150	3·3	170	3·3	180	3·6	170	3·6	170	3·3	180	4·3	170	4·6	160	4·6	150	5·6	3·0	24
180	3·6	170	4·6	170	3·3	170	2·3	180	2·3	190	1·6	180	1·6	—	1·0	—	1·3	300	1·6	300	2·0	300	3·3	4·7	25
—	1·0	—	1·3	—	1·3	—	1·0	—	0·7	—	0·7	—	0·7	200	1·6	220	3·9	210	3·3	210	2·6	200	3·6	2·2	26
180	4·3	180	3·9	150	2·6	170	2·0	190	3·9	180	3·0	140	2·0	150	3·3	160	3·0	200	4·6	200	5·2	210	6·6	3·4	27
300	4·6	280	3·6	290	2·6	260	2·0	270	2·6	280	1·6	270	2·3	240	1·6	250	3·0	250	2·0	—	1·3	—	1·0	3·5	28
180	2·3	200	2·3	—	1·3	—	1·3	150	2·3	170	2·0	180	3·0	180	2·3	200	2·6	200	2·6	210	3·3	210	2·0	2·4	29
200	3·3	200	3·3	180	3·0	200	3·9	200	3·9	190	1·6	170	1·6	180	2·3	—	1·3	—	1·3	190	1·6	30	1·6	1·9	30
—	**4·7**	—	4·4	—	**4·2**	—	3·9	—	3·8	—	**3·2**	—	2·9	—	**2·6**	—	**3·2**	—	**3·1**	—	2·9	—	2·9	3·5	

October, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
270	5·6	270	5·6	260	5·2	270	3·6	270	3·0	250	3·3	230	2·0	210	2·6	210	1·6	210	2·0	220	2·6	220	3·6	3·0	1
310	6·9	300	6·2	300	6·6	280	5·2	280	4·3	280	4·9	240	2·0	230	2·6	240	2·3	190	2·3	—	1·3	230	2·0	5·0	2
350	3·3	340	3·6	350	4·3	340	4·6	320	3·9	320	3·9	300	4·6	300	5·2	310	4·3	310	4·6	320	4·3	330	3·6	3·2	3
340	4·9	340	3·9	340	3·6	340	2·3	330	2·3	—	1·3	300	1·6	—	0·7	—	1·0	280	2·0	—	1·0	—	1·3	3·0	4
200	3·9	200	2·0	210	6·2	210	5·6	220	3·9	230	2·6	200	2·0	—	1·0	250	2·6	240	2·0	—	0·7	250	2·3	3·1	5
300	4·9	280	5·2	290	3·9	270	3·6	270	3·3	270	2·6	250	2·6	240	2·6	230	2·6	210	2·0	230	3·0	230	3·6	3·0	6
200	5·9	200	4·3	240	3·0	260	3·0	230	1·6	230	3·0	210	3·3	210	3·6	210	3·9	200	3·3	250	3·6	280	4·9	3·9	7
270	3·3	270	4·3	240	2·0	240	1·6	190	1·6	190	2·3	200	3·0	190	3·3	200	4·6	200	4·9	180	4·3	180	6·2	3·5	8
250	10·2	250	11·8	260	11·1	270	11·5	270	11·8	270	8·2	270	7·9	270	6·6	270	8·2	260	7·9	260	5·2	240	2·6	**8·3**	9
230	6·2	250	6·2	250	6·2	240	6·2	260	4·6	250	5·6	250	3·6	260	3·0	250	4·3	250	5·6	250	4·6	250	4·9	4·8	10
280	7·2	280	7·2	280	6·2	270	4·3	260	3·3	240	2·6	—	1·3	220	2·3	—	1·3	200	1·6	—	1·3	210	2·6	4·9	11
—	1·0	170	7·5	170	3·3	180	3·0	170	2·3	240	2·6	300	2·6	—	1·3	—	0·7	280	2·0	290	1·6	—	0·3	3·0	12
340	5·9	330	6·2	330	5·2	320	5·6	310	4·9	310	4·3	300	5·2	300	4·3	300	5·6	280	3·9	270	3·3	280	3·9	4·2	13
310	6·9	310	6·2	310	5·2	290	3·9	270	2·0	260	1·6	280	3·0	280	2·6	290	2·0	—	1·3	250	1·6	—	0·7	3·6	14
240	3·0	250	3·3	240	2·6	250	2·0	240	2·0	220	2·3	220	2·6	230	3·3	230	3·9	230	2·6	230	2·6	—	1·0	**2·4**	15
320	6·9	320	4·9	310	4·6	320	3·3	—	1·3	—	1·0	—	1·0	—	1·3	220	2·0	210	2·0	210	2·3	200	2·0	2·9	16
260	3·6	210	1·6	250	2·0	250	2·3	240	2·6	210	2·3	200	1·6	190	1·6	190	2·6	200	2·3	200	3·3	190	2·6	2·6	17
190	3·3	180	3·3	190	4·6	180	3·3	170	3·6	160	3·6	150	4·9	160	5·2	160	5·6	170	4·3	170	4·9	160	4·6	3·3	18
230	6·2	230	7·9	230	8·2	230	5·2	230	5·6	220	4·3	230	3·9	220	4·3	210	5·6	200	3·9	210	4·9	200	3·6	6·2	19
180	4·6	190	5·6	170	4·9	180	5·2	180	4·3	180	5·9	180	6·2	170	5·2	170	6·2	170	6·9	170	6·9	170	7·5	5·2	20
250	4·6	230	3·3	230	5·2	210	4·6	210	5·2	210	5·9	220	7·2	210	5·6	210	3·3	—	1·3	—	1·0	270	2·0	5·7	21
220	3·9	230	3·6	220	3·6	210	4·3	200	5·2	200	4·3	210	4·9	230	3·9	220	3·6	230	4·3	250	5·9	260	6·2	3·4	22
180	2·3	170	3·6	180	3·3	170	3·3	150	3·9	150	3·6	130	2·6	130	2·6	110	1·6	—	1·3	320	1·6	290	2·0	2·9	23
260	3·9	250	4·9	250	3·0	250	2·3	230	2·3	230	2·0	220	1·6	230	1·6	240	1·6	—	1·3	—	1·3	—	1·3	2·7	24
250	3·9	230	3·6	230	2·6	—	0·7	200	3·3	190	2·3	200	2·0	210	3·3	210	5·2	220	4·9	210	6·2	220	6·9	2·6	25
260	5·2	260	5·2	260	5·2	260	4·6	250	3·6	260	3·3	—	1·3	230	3·0	230	2·3	220	1·6	—	1·3	—	1·3	3·8	26
220	3·3	180	2·6	140	4·3	150	3·3	160	4·6	170	5·9	160	6·2	150	7·9	160	8·5	160	7·9	160	8·2	160	7·9	5·7	27
230	5·6	240	4·3	210	3·0	210	2·3	200	3·0	200	3·0	210	2·6	210	3·3	210	3·3	220	2·6	230	3·6	230	2·3	4·8	28
210	4·3	200	4·3	190	3·3	170	4·3	180	3·9	180	5·6	200	5·2	200	3·9	200	3·9	200	3·9	180	2·6	210	3·6	3·3	29
220	4·6	220	4·3	230	5·6	220	7·5	210	7·2	220	5·6	230	4·6	230	6·2	220	7·9	220	8·9	220	6·9	220	6·2	5·0	30
260	4·6	260	4·9	260	3·0	260	2·6	230	2·0	220	2·6	230	3·6	230	2·6	200	2·0	220	2·3	220	2·6	220	2·6	3·4	31
—	4·8	—	4·9	—	4·5	—	4·0	—	3·8	—	3·6	—	3·4	—	3·4	—	3·7	—	3·5	—	3·4	—	3·4	3·9	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

†*Direction expressed in degrees from North.* (*E* = 90°, *S* = 180°, *W* = 270°, *N* = 360°); **Speed in metres per second.*

93. Aberdeen : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	230	3·3	230	3·6	230	2·6	220	2·6	200	1·6	200	1·6	220	2·0	—	1·0	210	2·6	220	2·6	220	3·6	220	3·3
2	250	2·0	250	2·3	270	2·0	—	1·3	290	2·0	290	2·6	290	2·3	280	2·6	290	2·0	260	3·6	260	3·6	260	3·9
3	200	3·6	210	4·9	210	6·2	220	6·9	230	5·2	260	8·2	260	9·8	260	9·8	270	7·5	280	7·5	280	8·5	270	11·5
4	280	6·6	280	9·8	290	7·9	270	8·5	270	5·2	260	5·2	260	3·3	150	1·6	260	3·3	300	7·5	300	7·5	290	8·9
5	300	5·6	290	3·9	310	4·3	300	3·9	290	3·9	290	2·6	290	3·9	290	3·9	290	3·3	300	4·3	310	3·3	330	3·3
6	310	4·9	300	4·9	310	5·2	310	3·9	310	5·2	320	5·9	340	4·3	310	4·6	310	5·6	310	6·6	310	6·6	300	7·9
7	300	9·2	300	8·9	300	9·8	300	6·6	300	11·1	300	8·9	300	7·5	290	5·9	290	5·6	290	5·6	300	6·2	300	6·9
8	210	5·9	210	5·2	210	5·2	200	5·2	210	3·9	210	5·6	220	4·6	230	3·0	200	1·6	260	2·3	260	2·3	270	3·0
9	310	3·9	300	3·9	300	3·9	300	3·9	350	3·0	350	3·3	360	3·9	10	4·3	110	3·9	100	5·6	110	6·6	100	9·2
10	280	3·0	280	2·0	280	2·3	270	2·0	—	1·3	—	1·3	250	1·6	280	2·0	—	1·3	250	2·3	240	2·0	240	2·3
11	—	1·3	230	2·0	220	2·0	220	1·6	—	1·3	230	2·0	260	2·0	—	0·3	260	2·0	270	1·6	—	1·0	—	1·3
12	230	6·9	230	6·2	230	6·2	220	6·2	220	5·6	230	3·9	240	4·6	230	3·6	240	3·0	250	3·3	290	5·9	270	3·3
13	—	1·3	220	2·0	210	1·6	200	2·0	210	3·0	210	2·3	210	1·6	—	0·7	—	1·3	120	3·3	120	2·6	120	3·9
14	290	6·2	280	6·6	280	6·6	280	6·2	280	6·2	270	6·6	260	6·2	250	6·9	250	7·2	240	7·9	250	9·2	260	8·2
15	250	4·9	250	4·3	230	4·6	220	3·3	240	3·0	210	1·6	210	2·0	220	2·0	200	2·3	150	6·9	150	8·5	150	10·5
16	330	13·8	330	13·8	330	14·8	320	14·8	320	14·8	310	12·1	300	10·8	290	9·2	290	7·2	280	7·2	290	6·6	280	6·6
17	190	3·6	190	3·6	210	4·6	220	3·0	220	2·6	270	3·9	290	7·5	300	6·6	300	8·2	300	8·5	300	9·2	290	13·1
18	250	6·6	260	8·9	250	6·9	260	7·2	260	7·9	270	10·8	280	12·8	290	11·1	300	16·4	300	15·4	310	14·1	310	13·1
19	340	5·6	340	4·3	320	4·9	320	6·2	310	4·9	320	5·6	310	5·9	310	6·6	310	5·2	320	4·9	320	7·5	310	8·2
20	300	4·6	330	4·3	330	4·6	320	2·6	320	3·6	320	3·6	310	4·6	330	3·9	350	3·9	350	3·0	360	3·9	50	3·9
21	310	5·2	300	5·6	300	4·6	300	5·9	310	6·2	310	5·9	310	5·9	300	4·9	300	6·6	310	6·6	310	6·9	310	6·6
22	350	3·3	360	3·6	10	2·6	350	2·0	350	3·0	330	2·6	340	2·3	320	3·3	320	2·3	300	2·6	300	3·0	310	4·3
23	300	3·9	290	4·6	290	4·3	290	4·3	300	2·6	290	4·3	300	4·3	310	4·6	310	3·0	310	4·6	300	5·9	310	5·6
24	300	4·9	300	4·6	310	3·9	290	3·6	300	5·6	300	5·2	300	4·6	290	4·6	290	4·3	280	3·6	280	3·3	290	3·6
25	230	3·3	220	1·6	—	1·3	—	1·3	—	1·0	260	4·3	250	3·9	240	2·6	240	2·0	260	2·3	230	2·0	240	2·3
26	220	2·0	230	3·3	240	2·3	—	1·0	—	0·7	—	0·0	—	0·7	—	1·0	—	1·0	—	1·3	240	1·6	220	2·3
27	—	0·7	—	0·7	240	1·6	240	1·6	—	0·7	—	1·0	280	1·6	290	1·6	290	2·0	300	2·0	300	2·6	290	1·6
28	—	1·0	290	3·0	290	3·0	290	2·0	290	2·0	310	3·0	300	2·3	300	3·3	280	2·0	290	2·3	150	3·0	120	4·9
29	70	6·6	70	6·6	40	5·9	40	3·6	360	4·9	20	4·9	340	3·3	20	3·6	40	4·9	20	3·3	350	2·6	350	3·0
30	290	5·6	290	4·3	270	3·0	280	3·0	290	3·0	290	3·6	280	2·3	300	2·6	290	2·3	260	2·6	240	2·3	250	3·0
Mean ...	—	4·6	—	4·8	—	4·6	—	4·2	—	4·2	—	4·4	—	4·4	—	4·1	—	4·1	—	4·7	—	5·1	—	5·7

94. Aberdeen : H_a = 14 metres + 23 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	210	3·6	210	3·3	200	1·6	—	0·7	240	1·6	220	1·6	230	1·6	230	2·3	230	3·0	—	0·3	—	0·7	210	2·0
2	210	2·6	200	3·0	200	2·0	—	1·3	—	1·0	—	1·0	—	1·3	190	1·6	170	2·6	170	6·2	160	6·6	170	6·2
3	290	1·6	300	2·6	300	2·3	280	2·6	290	2·0	280	2·3	290	3·9	300	3·9	310	4·3	300	3·9	310	3·3	280	1·6
4	—	1·3	210	2·0	220	2·0	210	1·6	200	2·3	210	1·6	—	1·0	160	2·6	160	5·6	160	4·9	170	4·6	150	5·6
5	100	8·9	90	8·5	90	8·2	90	8·9	80	7·9	70	6·9	70	8·9	60	6·9	70	7·2	50	8·2	50	6·2	60	6·9
6	300	5·2	300	4·3	300	4·9	310	6·2	310	4·9	290	4·3	—	1·0	—	1·3	—	1·0	—	1·3	270	2·3	—	0·7
7	200	3·0	190	5·2	190	3·9	190	4·9	190	5·6	190	6·6	190	5·9	190	8·2	180	6·2	180	8·2	190	8·2	180	7·2
8	190	4·3	190	3·6	200	4·6	200	3·0	200	3·3	200	3·3	210	2·0	220	2·6	280	5·9	300	10·5	310	13·1	310	11·8
9	290	5·2	290	5·2	290	5·9	290	5·9	300	3·6	300	3·3	290	3·6	280	2·6	290	3·3	280	2·6	280	1·6	270	3·0
10	200	3·6	200	3·3	200	3·6	200	2·0	230	2·0	240	3·6	230	2·6	220	3·6	210	3·6	210	2·6	220	2·0	—	1·3
11	180	1·6	230	3·0	210	2·3	220	3·9	150	4·3	150	3·6	210	3·3	210	3·9	190	3·3	170	3·0	200	4·6	200	3·9
12	200	4·3	200	6·6	190	6·6	190	4·6	200	7·2	190	6·2	200	5·6	170	3·6	160	2·3	180	3·3	200	2·3	200	3·0
13	300	2·3	310	2·6	320	3·6	320	5·6	310	6·2	310	5·2	310	1·6	—	1·0	270	1·6	300	3·9	290	3·0	280	2·0
14	220	4·6	220	6·6	200	4·3	190	4·3	210	5·2	200	3·9	210	5·2	200	4·3	240	10·5	240	9·5	220	5·9	210	5·2
15	270	4·9	290	8·2	290	9·2	300	6·9	290	6·9	290	6·6	300	8·2	310	4·6	300	6·2	300	3·0	280	3·9	280	2·3
16	200	2·6	220	2·3	220	2·6	240	4·6	260	5·6	270	3·9	280	6·2	280	7·2	280	7·2	270	7·9	280	7·2	280	6·9
17	—	0·3	—	0·3	—	1·0	—	1·3	—	0·7	240	1·6	190	2·0	210	3·0	160	1·6	260	3·9	240	3·3	250	6·9
18	280	4·9	270	5·6	270	5·9	270	6·9	280	5·2	280	9·5	290	11·1	290	11·5	280	8·2	280	10·8	290	14·4	290	15·4
19	320	7·9	320	7·9	320	8·2	310	5·6	310	6·6	310	4·3	290	4·6	290	7·9	300	8·9	310	9·5	310	10·2	310	9·8
20	340	6·9	340	6·2	330	9·2	340	6·6	330	7·5	330	7·2	330	8·2	330	6·6	340	7·2	330	8·9	330	7·9	330	7·2
21	330	6·6	320	5·6	310	5·6	320	4·9	330	4·6	340	4·6	330	4·3	320	3·3	310	4·3	310	3·3	320	2·6	310	2·6
22	200	3·6	200	3·6	200	3·0	210	3·0	220	3·3	230	2·6	240	2·3	280	2·0	320	6·9	320	5·2	310	6·2	310	8·9
23	300	8·2	290	10·8	290	11·1	300	11·8	300	12·8	310	11·1	310	10·5	310	10·8	320	9·8	320	11·5	310	11·1	310	10·5
24	280	4·6	260	4·3	240	4·6	280	4·9	280	4·9	290	5·9	290	4·3	300	6·2	310	7·5	330	4·6	350	4·6	30	8·5
25	290	3·3	280	3·6	290	6·2	290	3·9	280	3·6	290	2·6	290	4·3	290	3·0	280	2·6	280	3·0	280	2·0	—	1·3
26	30	1·6	—	1·3	340	2·3	30	3·3	20	1·6	310	2·6	320	2·3	320	2·3	310	2·6	300	3·3	280	1·6	290	2·3
27	130	4·9	160	1·6	—	0·3	—	0·3	—	0·3	—	1·0	—	1·0	300	1·6	—	1·0	290	1·6	—	1·0	230	1·6
28	300	3·3	300	3·6	320	3·6	320	3·3	320	3·3	340	3·6	40	6·2	50	8·5	50	7·2	40	3·9	330	2·6	320	3·0
29	290	3·3	290	3·0	290	3·6	290	3·0	280	2·6	270	1·6	260	1·6	280	2·3	290	1·6	290	2·3	—	1·3	—	0·3
30	170	3·6	170	4·6	170	5·2	170	6·6	160	6·6	160	7·5	150	9·2	150	9·5	150	8·5	160	9·8	160	9·8	160	8·2
31	190	4·3	200	3·6	210	3·6	210	3·3	210	1·6	220	2·3	—	1·3	—	0·0	—	0·7	—	1·0	—	0·3	—	0·3
Mean ...	—	4·1	—	4·4	—	4·5	—	4·4	—	4·3	—	4·3	—	4·4	—	4·5	—	4·9	—	5·2	—	5·0	—	5·0

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

Averages for periods of sixty minutes centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 14 metres + 23 metres.

November, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
230	3·9	230	4·9	220	3·0	220	3·6	220	3·3	230	4·3	240	3·0	—	1·0	—	1·3	—	0·7	—	1·3	—	1·3	2·6	1
250	3·3	240	3·6	230	2·3	230	3·0	210	2·0	200	2·6	210	4·6	220	5·6	226	6·9	210	4·6	210	4·3	200	4·3	3·2	2
280	9·8	260	8·5	260	7·5	260	7·2	250	7·5	240	6·9	240	5·2	250	7·5	250	6·9	250	5·9	260	7·2	270	8·2	7·3	3
280	6·6	270	5·9	270	6·2	280	4·6	270	2·0	270	4·9	270	5·9	270	5·2	270	4·9	290	6·2	290	6·6	290	6·2	5·9	4
330	3·6	330	3·6	350	2·6	320	2·3	320	3·3	320	4·3	310	3·6	310	3·9	310	4·3	310	4·6	300	3·9	310	4·9	3·8	5
300	7·2	290	7·2	300	8·2	290	5·9	280	7·5	280	5·9	290	7·9	300	8·2	290	9·8	290	9·5	300	10·2	300	8·9	6·7	6
300	3·9	280	3·0	280	1·6	—	0·7	—	1·0	220	1·6	230	2·3	220	2·6	200	2·3	200	3·9	200	4·6	200	4·9	5·3	7
280	2·0	290	3·0	270	2·0	260	2·3	270	1·6	—	1·3	—	1·3	290	2·3	300	2·0	—	1·3	300	3·6	300	3·0	3·1	8
110	4·9	80	5·9	90	8·5	90	7·2	80	6·2	80	5·9	90	4·9	80	4·3	50	2·6	300	2·6	290	2·6	290	3·0	4·7	9
—	1·0	—	1·3	—	1·0	—	1·0	—	1·0	—	1·3	210	1·6	190	1·6	—	1·0	230	1·6	210	2·0	210	2·3	1·7	10
—	1·3	200	2·3	210	4·3	200	2·6	200	2·0	210	3·6	200	3·0	200	3·3	240	8·5	220	4·6	220	4·9	220	6·6	2·6	11
270	3·9	290	6·6	290	5·6	280	4·6	280	4·6	280	3·9	280	5·9	270	4·3	210	2·0	220	2·3	230	2·6	220	2·3	4·6	12
130	3·3	140	4·3	130	3·3	140	3·0	130	3·6	120	3·9	110	4·3	90	4·3	130	2·6	220	1·6	270	2·6	280	3·6	2·7	13
270	7·5	270	7·2	280	6·9	280	6·2	280	7·2	270	6·2	280	7·5	280	6·2	270	5·9	260	5·6	270	5·2	270	4·3	6·7	14
150	9·8	140	11·5	120	12·5	110	13·1	90	12·1	70	14·8	60	14·4	40	11·8	360	7·5	340	8·5	340	10·2	320	13·4	7·9	15
260	4·6	240	3·0	—	1·3	210	2·6	200	2·0	200	2·0	180	1·6	—	1·0	130	1·6	180	2·6	160	2·6	180	2·3	6·8	16
270	5·9	260	4·9	250	4·9	250	6·2	260	6·9	260	4·9	260	4·9	270	4·6	260	5·2	260	3·3	240	4·9	240	4·9	5·6	17
300	13·8	300	14·8	310	14·4	300	14·8	300	12·1	300	12·1	300	9·8	300	8·5	310	7·9	300	6·6	310	4·3	320	4·3	**10·4**	18
310	7·2	320	8·2	320	6·6	310	5·9	300	5·9	300	7·5	310	8·2	300	8·9	300	6·9	300	6·2	310	5·2	300	4·3	6·3	19
70	4·9	60	4·3	70	4·6	20	3·0	340	2·3	320	3·0	300	3·3	300	4·3	310	4·3	300	4·6	300	4·9	300	5·2	3·9	20
320	6·9	320	4·9	330	4·6	350	4·3	330	5·9	330	4·3	330	4·6	340	2·3	350	4·6	350	3·6	20	3·3	360	3·3	5·2	21
330	3·9	320	3·0	310	3·6	300	3·9	310	3·6	300	3·9	290	3·3	290	4·3	310	3·0	290	4·6	290	4·3	300	3·6	3·3	22
310	4·9	310	5·9	320	3·6	310	4·3	310	4·9	310	4·3	340	3·9	350	3·3	320	3·9	290	3·6	320	4·3	310	3·9	4·3	23
280	2·3	280	2·3	290	3·3	270	2·3	290	2·0	—	1·0	—	1·3	280	3·0	250	2·0	260	2·0	240	3·3	230	3·6	3·3	24
240	1·6	240	2·3	—	1·0	240	1·6	—	1·3	—	1·3	—	0·7	—	0·3	—	1·0	—	0·7	—	1·0	—	1·3	1·8	25
210	3·0	220	3·6	210	2·6	220	2·3	—	1·3	—	1·3	—	1·3	—	1·3	—	1·0	—	1·3	—	1·3	250	1·6	1·6	26
290	2·3	290	1·6	290	2·6	290	2·0	—	1·0	—	1·3	—	0·7	—	1·0	—	1·3	—	1·3	—	1·3	—	1·3	**1·5**	27
110	5·6	120	6·6	120	7·5	130	4·6	110	7·5	100	5·2	90	7·5	100	6·9	90	7·9	90	7·2	80	7·2	70	7·5	4·6	28
320	3·6	310	4·3	310	5·2	300	5·2	300	4·6	300	4·6	300	4·9	300	4·9	290	4·3	290	4·6	290	3·9	290	4·9	4·6	29
240	2·0	—	0·7	210	2·0	210	2·0	200	2·0	210	3·6	220	2·6	210	4·3	220	5·6	220	5·9	210	3·9	210	3·6	3·2	30
—	4·8	—	5·0	—	4·8	—	4·4	—	4·3	—	4·4	—	4·5	—	4·4	—	4·3	—	**4·1**	—	4·3	—	4·4	4·5	—

December, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
230	2·3	240	3·3	220	2·0	200	1·6	210	2·6	240	2·3	200	2·3	220	2·3	220	1·6	210	2·3	—	1·3	—	1·0	2·0	1
180	4·6	190	2·6	260	2·6	270	2·6	220	2·6	230	1·6	210	1·6	—	1·0	260	2·0	—	0·7	—	1·3	—	1·3	2·5	2
290	2·3	280	2·3	250	1·6	260	2·3	270	1·6	250	3·0	260	1·6	280	2·6	—	1·3	—	1·0	—	1·0	230	2·0	2·3	3
150	6·2	150	6·6	150	6·2	130	8·5	120	9·2	120	10·5	110	11·1	110	9·5	110	8·5	120	9·2	110	9·8	90	10·5	5·7	4
30	4·6	40	3·0	330	2·0	350	3·0	350	3·0	330	3·3	340	3·3	350	3·0	300	3·9	290	4·3	300	4·6	300	5·2	5·8	5
220	2·0	—	1·3	—	1·3	—	1·3	—	0·3	220	1·6	200	2·0	200	2·0	220	3·9	210	3·9	200	2·6	210	3·6	2·7	6
180	9·2	180	7·9	180	7·5	190	6·9	180	8·2	180	8·2	180	7·9	170	6·6	180	7·5	180	6·6	180	6·2	190	4·3	6·7	7
310	11·8	310	12·5	310	11·5	310	10·5	310	9·2	320	9·2	300	7·5	300	7·2	300	5·6	290	4·9	290	4·6	290	4·6	7·0	8
260	3·6	250	3·6	230	3·0	220	2·0	220	3·3	220	5·2	220	5·2	220	4·9	210	4·9	210	4·3	210	4·9	210	5·2	4·0	9
210	1·6	210	2·0	220	3·0	220	3·6	210	3·3	210	3·6	220	3·6	220	3·6	190	2·3	—	1·3	—	1·3	180	1·6	2·8	10
200	5·9	200	4·9	200	3·6	200	4·6	200	6·9	200	4·9	190	5·9	200	4·6	200	4·9	180	3·6	190	5·2	190	5·6	4·1	11
220	2·3	220	3·9	210	5·6	220	3·3	210	3·3	210	4·3	220	2·3	220	2·6	220	1·6	220	1·6	210	1·6	—	1·3	3·8	12
280	3·0	290	4·9	280	2·3	260	2·0	—	1·3	220	2·0	240	2·0	—	1·3	220	2·0	—	1·3	210	5·2	220	5·6	2·5	13
210	5·9	210	4·9	240	3·3	290	5·9	280	4·6	280	4·3	270	4·3	260	6·9	270	5·6	280	6·2	280	5·2	280	5·2	5·4	14
270	2·3	280	3·0	280	3·0	260	3·6	240	2·6	250	3·0	230	3·0	240	4·3	230	3·9	220	3·9	210	3·3	200	3·3	4·6	15
280	8·9	290	9·8	290	9·2	310	7·9	320	5·9	320	4·6	310	4·6	320	4·3	300	3·3	320	2·0	—	1·3	—	1·3	5·3	16
240	6·6	240	5·9	220	4·3	230	4·9	270	5·6	290	6·2	330	5·2	320	5·6	290	5·2	280	3·9	260	2·3	290	5·9	3·5	17
300	16·1	300	14·4	300	15·4	300	13·8	300	13·8	310	9·5	310	9·8	310	7·5	300	7·2	310	8·2	310	9·5	310	8·9	**10·1**	18
310	11·8	310	11·1	310	11·8	300	10·5	310	10·2	320	7·2	340	6·9	340	5·6	350	6·9	360	4·3	360	3·9	320	4·9	7·9	19
330	7·5	320	7·9	320	6·9	320	6·9	320	6·9	310	5·6	310	4·9	320	5·6	330	5·9	330	4·3	330	5·9	340	7·2	6·8	20
300	2·6	310	3·6	300	3·0	300	2·3	290	2·6	290	2·0	250	1·6	—	1·3	—	1·0	200	1·6	200	2·3	200	3·3	3·4	21
320	9·2	320	9·8	320	9·5	320	9·5	310	10·2	310	9·5	300	9·5	300	6·6	300	6·2	290	5 2	290	3·9	300	6·2	6·0	22
320	9·2	320	10·5	310	6·6	300	6·6	280	3·3	250	2·6	270	3·9	270	4·3	280	3·9	290	5·9	290	5·6	280	4·9	7·8	23
40	8·9	20	5·6	350	3·0	340	3·0	290	3·3	300	3·3	290	3·6	290	4·6	290	3·9	290	3·6	280	3·9	280	3·3	4·8	24
—	1·3	250	1·6	—	0·3	—	0·3	—	1·3	150	3·0	170	3·0	160	3·6	160	3·0	150	4·3	160	3·0	—	1·3	2·8	25
—	1·3	290	2·0	300	2·6	290	2·6	290	2·3	300	2·0	300	2·6	300	3·0	290	1·6	300	2·6	300	2·3	110	2·6	2·2	26
—	1·3	—	1·0	240	2·0	240	2·3	230	1·6	—	1·0	—	0·7	—	0·3	—	1·0	310	1·6	310	2·3	310	2·6	**1·4**	27
320	2·6	310	3·6	310	3·6	310	3·0	300	3·0	300	3·3	310	3·6	310	3·9	310	3·9	300	4·9	300	3·6	290	2·3	3·9	28
—	1·3	220	2·0	—	1·3	200	2·3	210	2·3	200	2·3	200	2·6	210	2·3	200	2·3	200	2·0	200	2·3	190	3·6	2·2	29
170	8·9	170	9·2	170	8·5	170	8·2	170	7·2	170	5·2	170	6·2	180	5·2	180	4·6	190	5·2	190	4·6	190	3·6	6·9	30
—	0·3	—	0·3	—	1·3	—	0·7	—	0·7	—	0·7	—	1·0	260	2·6	—	1·3	—	0·7	—	0·3	280	2·0	**1·4**	31
—	**5·3**	—	**5·3**	—	4·8	—	4·7	—	4·6	—	4·4	—	4·3	—	4·2	—	3·9	—	**3·7**	—	**3·7**	—	4·0	4·5	—

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

† Directions obtained from records of the Dines Tube Anemograph.
* Speeds obtained from records of the Robinson Cup Anemograph.

HIGHEST INSTANTANEOUS WIND SPEED RECORDED EACH DAY BY THE DINES TUBE ANEMOGRAPH.

95. Aberdeen : $H_a = 8$ metres + 13 metres. **1923.**

Day.	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.
	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	10	3 40	20	3 10	9	0 50	16	2 50	11	0 1	11	14 55	7	9 55	9	8 30	8	8 15	15	12 20	9	13 5	9	0 3
2	17	5 10	17	4 5	14	9 25	12	0 5	13	7 45	12	21 40	13	23 15	11	19 55	13	10 55	18	11 15	13	19 30	15	10 3
3	20	3 40	17	9 10	4	3 10	9	14 45	11	5 55	16	13 40	13	15 20	**24**	13 20	11	14 0	11	14 45	25	12 30	8	8 5
4	12	3 40	12	23 55	8	9 55	14	10 15	13	16 5	13	11 55	11	14 35	17	9 55	12	10 45	14	4 30	23	1 50	19	19
5	18	9 30	19	9 20	17	12 45	15	22 55	11	12 25	13	19 15	8	10 15	9	15 0	14	16 50	13	11 30	11	1 0	18	2 2
6	8	23 40	22	10 25	10	13 30	17	22 15	16	15 50	13	8 25	10	12 45	13	12 25	14	21 0	11	13 25	16	22 45	11	3 5
7	11	1 5	**30**	12 40	10	23 50	15	0 30	14	13 40	11	16 15	9	20 45	8	23 10	15	8 50	13	11 10	17	3 15	20	17 4
8	12	4 20	24	9 40	10	1 25	15	3 25	13	14 0	18	18 0	9	16 55	10	19 30	11	13 10	14	23 55	15	0 35	21	10 4
9	21	21 35	16	23 40	6	11 0	14	23 40	15	19 50	17	7 0	9	10 45	13	18 15	17	10 0	**28**	14 45	15	13 0	11	22 4
10	25	14 5	25	11 35	15	21 40	**22**	6 45	16	15 40	21	10 5	7	18 10	14	16 0	13	12 30	15	15 40	5	7 55	11	0 2
11	22	10 5	22	7 25	10	23 0	13	7 20	20	10 15	22	8 50	7	10 55	11	8 40	15	17 40	21	11 45	14	21 5	15	18 3
12	7	6 45	19	1 5	**19**	8 45	5	10 0	19	10 45	15	16 40	9	14 15	10	14 50	**23**	12 25	11	1 25	14	13 35	15	5
13	13	22 10	17	21 50	18	2 45	10	8 40	15	13 0	**23**	7 5	7	14 0	11	15 5	14	18 5	14	13 45	8	13 40	11	3 4
14	24	23 30	15	1 30	5	18 30	9	5 55	16	0 40	17	11 35	9	14 40	8	16 15	12	13 35	13	12 25	20	13 20	24	9 3
15	23	2 30	17	23 20	8	11 20	*	*	8	12 35	9	11 30	11	13 5	16	16 25	11	21 5	8	11 55	23	19 15	16	3
16	8	17 40	18	23 25	7	0 35	9	18 45	17	12 45	14	10 50	12	18 10	13	11 5	16	10 25	13	12 40	**28**	3 0	20	13 3
17	8	12 15	18	23 5	5	14 10	11	10 50	**24**	7 50	11	6 35	15	13 40	11	7 10	21	18 15	13	11 25	14	10 10	16	12 1
18	7	21 50	22	5 35	7	13 50	9	12 45	11	1 15	11	14 40	9	8 55	10	9 20	18	0 20	12	19 50	25	15 55	**29**	12 5
19	**26**	19 5	15	1 20	6	14 45	9	5 30	11	12 40	13	13 5	12	16 35	5	15 0	10	11 55	21	8 50	18	1 15	20	13 4
20	25	7 45	17	22 55	6	11 25	14	15 40	13	19 55	15	12 55	16	14 10	9	13 25	8	12 35	19	11 45	12	12 15	18	5 2
21	18	23 30	20	6 55	5	12 30	19	9 10	17	15 15	15	11 50	15	12 30	18	16 0	7	18 0	20	5 45	12	16 0	14	1 3
22	21	19 20	16	0 25	7	13 45	8	11 5	*	*	19	9 30	12	12 55	16	10 35	10	{12 35 / 15 15}	14	24 0	10	2 40	19	15 3
23	17	20 15	10	22 0	5	17 55	18	15 5	12	16 20	23	16 20	13	13 50	13	22 40	5	22 40	15	0 50	10	11 55	21	4
24	19	4 45	13	22 30	16	12 10	15	9 0	14	20 40	12	2 50	10	9 50	16	12 35	11	23 50	11	12 40	11	5 30	15	12 2
25	16	8 40	19	22 45	12	22 15	20	5 55	21	17 10	10	14 15	14	17 30	14	0 10	17	7 25	13	23 15	8	6 5	*	*
26	15	12 45	27	17 50	11	0 15	19	21 5	15	9 15	14	10 20	**17**	20 45	11	14 5	9	1 40	14	8 40	7	2 15	*	*
27	13	12 5	20	0 50	9	15 45	14	1 25	13	21 35	6	17 40	10	0 5	12	13 45	12	22 35	21	9 0	5	16 10	*	*
28	8	16 25	13	0 30	5	12 25	12	17 5	17	11 15	14	22 15	12	6 20	12	16 15	16	0 55	19	3 0	15	15 30	13	7 4
29	14	21 10	—	—	7	12 35	13	17 25	*	*	14	1 20	9	12 40	11	21 35	8	4 45	13	19 15	15	5 15	7	17 2
30	13	1 35	—	—	6	15 40	*	*	11	9 5	11	7 25	6	13 45	11	11 35	9	16 30	15	21 15	12	21 20	21	9
31	19	22 55	—	—	13	22 45	—	—	9	10 55	—	—	9	13 20	9	12 45	—	—	14	0 40	—	—	10	1

* Defective Record.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

96. Aberdeen : $H_a = 8$ metres + 13 metres. **1923.**

Month.	DISTRIBUTION OF WIND SPEED.								EXTREME VELOCITIES.					
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	day. h. m.
Jan.	—	—	5	16	287	396	45	—	300	13	19	19	26	19 19 05
Feb.	10th, 26th	9	18	200	302	156	5	—	110	19	26	{18 / 19}	30	7 12 40
Mar.	—	—	2	7	114	469	154	—	150	12	12	20	19	12 08 45
April	—	—	6	30	349	284	57	—	60	14	10	8	22	10 06 45
May	—	—	5	21	307	346	70	—	10	14	11	10	24	17 07 50
June	—	—	4	28	261	381	50	—	220	13	10	11	23	13 07 05
July	—	—	—	—	146	449	149	—	310	9	26	21	17	26 20 45
Aug.	—	—	2	9	202	456	77	—	140	14	2	20	24	3 13 20
Sept.	—	—	3	19	184	453	64	—	180	13	17	19	23	12 12 25
Oct.	—	—	6	21	256	417	50	—	260	15	9	15	28	9 14 45
Nov.	—	—	6	36	272	357	55	—	330	16	16	1	28	16 03 00
Dec.	—	—	8	42	267	380	55	—	300	15	18	13	29	18 12 50
Year.	2 days	9	65	429	2,947	4,544	831	—	110	19	Feb. 26	{18 / 19}	30	Feb. 7 12 40

97. Aberdeen. *Readings, in degrees absolute, at 9h., Greenwich Mean Time.* **1923.**

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	78·5	78·0	77·8	79·0	79·7	80·8	83·1	85·1	84·9	83·6	81·7	78·6
2	78·4	78·1	77·8	79·0	79·7	80·9	83·2	85·1	84·9	83·6	81·7	78·4
3	78·3	78·1	77·8	79·1	79·8	81·0	83·3	85·1	84·8	83·7	81·7	78·3
4	78·2	78·2	77·8	79·2	79·9	81·1	83·3	85·1	84·7	83·7	81·6	78·3
5	78·2	78·3	77·9	79·2	80·0	81·2	83·4	85·0	84·7	83·6	81·5	78·1
6	78·2	78·3	77·9	79·3	80·1	81·2	83·6	85·0	84·7	83·4	81·4	78·1
7	78·1	78·2	77·9	79·3	80·3	81·3	83·7	85·0	84·6	83·4	81·3	78·0
8	78·1	78·2	78·0	79·3	80·6	81·4	83·8	85·0	84·6	83·3	81·1	77·9
9	78·0	78·2	78·0	79·3	80·6	81·4	84·0	85·1	84·6	83·2	81·0	77·9
10	77·9	78·2	78·0	79·2	80·6	81·6	84·1	85·1	84·6	83·1	80·8	77·8
11	77·9	78·3	78·1	79·2	80·7	81·7	84·3	85·2	84·6	83·1	80·6	77·8
12	77·9	78·2	78·1	79·2	80·8	81·7	84·4	85·2	84·6	82·9	80·4	77·8
13	77·9	78·3	78·1	79·2	80·7	81·8	84·6	85·3	84·5	82·8	80·3	77·8
14	77·9	78·3	78·1	79·2	80·6	81·9	84·7	85·4	84·4	82·8	80·3	77·8
15	77·8	78·3	78·2	79·2	80·6	82·0	84·8	85·5	84·4	82·7	80·3	77·9
16	77·8	78·3	78·2	79·3	80·5	82·1	84·9	85·5	84·4	82·6	80·2	77·9
17	77·8	78·3	78·2	79·3	80·4	82·1	85·0	85·5	84·4	82·4	80·1	78·1
18	77·8	78·2	78·3	79·4	80·5	82·1	85·1	85·5	84·3	82·3	79·9	78·1
19	77·8	78·2	78·3	79·4	80·5	82·2	85·2	85·4	84·3	82·2	79·8	78·1
20	77·8	78·1	78·3	79·4	80·5	82·2	85·2	85·4	84·2	82·2	79·6	78·2
21	77·8	78·0	78·3	79·5	80·4	82·2	85·2	85·4	84·1	82·2	79·4	78·1
22	77·8	77·9	78·4	79·6	80·5	82·3	85·2	85·3	83·9	82·2	79·4	78·0
23	77·8	77·9	78·4	79·6	80·6	82·4	85·3	85·3	83·9	82·2	79·3	78·0
24	77·8	77·8	78·5	79·6	80·6	82·4	85·3	85·3	83·8	82·2	79·2	77·8
25	77·8	77·8	78·6	79·6	80·6	82·6	85·3	85·3	83·7	82·1	79·1	77·8
26	77·8	77·7	78·6	79·6	80·6	82·8	85·4	85·2	83·6	82·1	79·1	77·8
27	77·8	77·7	78·6	79·6	80·6	82·8	85·4	85·2	83·5	81·9	78·9	77·7
28	77·8	77·8	78·7	79·7	80·7	82·8	85·3	85·1	83·4	81·9	78·8	77·6
29	77·8	—	78·8	79·7	80·7	82·9	85·2	85·1	83·4	81·8	78·7	77·4
30	77·9	—	78·9	79·7	80·7	83·0	85·2	85·0	83·5	81·7	78·6	77·4
31	78·0	—	78·9	—	80·7	—	85·2	85·0	—	81·7	—	77·2
Mean	77·9	78·1	78·2	79·4	80·4	81·9	84·6	85·2	84·3	82·7	80·2	77·9

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18h. TO 7h.

98. Aberdeen. *Readings, in degrees absolute.* **1923.**

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	68·6	78·0	74·7	76·9	75·2	74·1	81·4	83·3	75·9	79·3	72·1	72·1
2	68·6	77·4	73·0	77·4	76·3	78·0	78·7	74·6	78·6	77·6	71·4	72·9
3	74·7	71·9	73·0	78·0	71·9	81·3	84·8	83·5	71·8	72·0	78·1	71·4
4	73·6	71·3	74·1	76·3	71·9	75·2	75·2	79·7	82·1	75·4	73·4	**66·7**
5	69·1	74·1	72·4	75·2	74·7	76·3	79·7	76·9	76·2	70·7	73·7	75·5
6	**66·3**	**78·6**	71·9	75·8	75·8	74·1	84·0	79·0	79·6	72·3	72·3	70·2
7	70·2	73·0	71·3	74·7	67·4	71·3	81·3	80·6	77·9	72·4	73·0	69·2
8	70·8	78·0	**77·4**	76·3	70·2	75·8	82·0	82·8	72·7	73·6	72·4	77·4
9	68·6	**69·7**	73·0	74·7	69·1	80·8	80·7	**85·3**	78·5	79·2	68·3	69·0
10	74·1	72·4	71·9	73·0	69·7	83·0	81·2	76·9	72·8	73·1	68·6	73·6
11	74·1	77·4	75·8	73·6	70·2	78·0	85·0	78·6	80·9	74·1	70·8	74·5
12	70·2	77·4	75·2	77·4	74·1	75·8	81·8	77·6	82·2	70·9	**81·1**	**79·8**
13	66·9	76·9	75·2	75·8	74·1	83·0	83·6	85·1	73·1	76·4	74·7	76·8
14	74·7	74·7	70·2	**79·1**	72·4	77·4	79·5	75·6	83·2	**69·1**	73·6	70·4
15	75·2	73·0	74·7	71·3	70·8	**69·1**	85·3	73·1	77·9	73·4	**65·4**	73·0
16	74·1	74·7	75·2	77·4	75·2	73·0	82·1	77·9	77·4	74·1	73·8	74·4
17	72·4	74·7	69·7	73·6	73·0	76·3	77·8	82·1	72·9	70·4	68·3	73·4
18	69·7	74·1	74·7	70·2	73·0	79·7	**75·0**	82·8	80·2	77·6	70·9	75·4
19	73·0	74·7	**68·0**	74·1	75·8	77·4	79·2	81·8	72·8	**82·6**	73·6	69·1
20	73·0	73·6	73·6	73·6	77·4	77·4	85·1	79·6	**69·4**	74·7	73·1	70·7
21	71·3	72·4	70·2	74·7	73·0	79·7	79·2	84·4	72·4	81·2	72·6	70·1
22	**79·1**	73·6	70·2	72·4	70·2	**84·1**	85·4	76·5	73·0	73·2	73·8	71·9
23	70·2	72·4	73·6	71·3	**66·3**	**84·1**	**85·9**	73·4	73·1	74·9	71·4	72·2
24	75·8	73·0	**77·4**	69·7	68·6	81·9	79·6	82·4	71·9	78·2	69·7	69·9
25	73·6	75·2	68·6	74·7	75·8	75·8	76·4	75·2	81·4	70·6	66·4	67·4
26	76·9	74·7	70·2	77·4	76·3	73·0	77·4	77·6	75·7	73·2	67·8	70·5
27	73·6	76·3	75·8	70·8	**78·6**	79·1	79·1	75·7	80·8	70·9	68·5	69·7
28	73·6	78·0	75·2	**66·9**	76·3	82·4	82·6	75·7	**83·6**	79·2	69·8	72·2
29	76·3	—	75·2	68·0	71·3	82·4	81·6	**70·3**	79·0	73·7	73·6	68·2
30	75·2	—	72·4	74·7	78·0	81·9	81·8	80·9	79·2	82·3	69·3	73·5
31	73·6	—	76·9	—	**78·6**	—	78·6	79·9	—	75·4	—	74·9
Mean	72·5	74·7	73·2	74·2	73·3	78·0	81·0	79·0	76·9	74·9	71·7	72·1

Notes :—(1) The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0.
(2) The minimum "on the grass" refers to the interval from 18h. the previous day to 7h. on the day to which it is entered.

99. Aberdeen. **January, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	—	—	Ci.-St.	–	1	–	2	6	10	⌴	⌴	...	...	☂	...	b⌴ a : b to bc ≡^{0} ☂ p : c ≡^{0} to o ≡^{0} n :
2	Nb.	Nb.	St. Cu.	10	10	10	10	6	5	●^{0}	●^{0}	●^{0}	...	...	...	● ≡^{0}, ●^{0} g ≡^{0} a : ●^{0} ≡^{0} to bcq p : bcq n :
3	A. Cu.	St. Cu.	St. Cu.	2	2	9	7	1	10	...	...	...	...	...	●^{0}	b, b to o a : o to b p : b to o ● n :
4	—	Ci. St. : Ci. Cu.	Ci. St. : St. Cu.	–	1	2	1	2	7	...	...	...	...	⌴	...	●^{0} to b a : b, b⌴ ≡^{0} p : c ≡^{0} n :
5	Nb.	Nb.	Nb.	10	10	10	10	10	10	●^{0}	●	●	●	●	...	c to o ●, ●^{2} q ≡^{0} a : ●& ●^{2} ≡^{0} p : ● to o n : [to o ≡^{0} n :
6	—	—	Ci. St.	–	–	–	1	3	10	⌴	⌴	...	...	...	...	o to b⌴ ≡^{0} to b a : b ≡^{0} & ≡ p : b ≡^{0}
7	Nb.	Ci. : St. Cu.	Nb.	10	10	8	10	10	10	●	...	...	...	●	...	o ● ≡^{0} to c a : c to o ≡^{0}, ● p : ● to o
8	Cu. : Fr. Cu.	Cu. : Fr. Cu.	—	5	5	2	1	–	–	...	...	...	...	...	...	o ≡^{0} to b & bc a : b p & n : [≡^{0} n :
9	St. Cu.	St. Cu.	St. Cu. : Fr. St.	1	2	1	6	8	10	...	...	...	...	...	...	b to p ● q to bq a : b & bcq p : c & oq
10	A.St. : St.Cu. : Fr.St.	Ci. : Cu.Nb. : Fr.St.	Nb.	8	9	10	5	10	5	...	...	...	...	p ●	...	c & oq, ●& ✱ a : bc & oqp ● p & n : [●^{0} n :
11	St. Cu.	Cu. : Cu. Nb.	St. Cu.	1	8	5	1	6	1	...	...	...	...	...	...	b to cq, p ● & p ✱ a : b & bc p & n :
12	St. Cu. : Cu. Nb.	Ci. : St. Cu.	Ci.-A. St.	5	7	5	2	2	–	p✱^{0}⌴	⌴	...	...	...	⌴	b⌴, p ✱^{0} to c⌴ ≡^{0} a : b & bc p : ⌴ later
13	Ci. St.	Ci. St. : St. Cu.	St. Cu.	10	10	2	1	1	10	⌴	≡	...	...	...	...	b to o⌴, ≡^{0} to ≡ & p ✱^{0}, b ≡^{0} a : b ≡^{0}
14	Nb.	St. Cu.	St. Cu.	10	2	1	1	1	–	...	...	...	...	...	...	o to b, p●q a : bq, p●^{0} p & n : [p : b–o n :
15	St. Cu.	St. Cu. : Fr. Cu.	St. Cuf.	1	3	8	8	10	10	...	...	...	p ●^{0}	...	...	bq to c a : c & op ●^{0} p & n :
16	St. Cu.	St. Cu. : St.	St.	10	10	9	10	8	8	...	...	...	●	...	...	o ≡^{0} & ≡ a : o ●^{0} ≡^{0} to c p : c ≡^{0} n :
17	—	A. Cu.-St. Cu.	Nb.	–	–	3	9	10	10	...	≡	...	...	●^{0}	...	bc, b ≡^{0} to ≡ a : b to o ≡^{0}, ●^{0} p : ●^{0} to [c n :
18	St. Cu.	Ci. : St. Cu.	A. St.	2	1	2	9	10	8	...	...	...	...	...	...	b⌴ early, b a : b to o ≡^{0} p : c & o ≡^{0} n :
19	St. Cu.	A. St. : Cu. : Fr.Cu.	—	10	10	10	8	–	–	...	...	...	...	...	...	o ≡^{0} to oq a : oq to bq p : bq n :
20	Cu. Nb.	Cu. Nb.	Cu. Nb.	7	6	8	8	10	–	✱ p	...	✱^{0}▲^{0}p	...	✱^{0}▲^{0}p	...	p ✱, ✱▲ q a & p : b n :
21	St. Cu.	Ci. Cu. : St. Cu.	St. Cu.	10	9	3	1	1	–	...	...	...	...	...	...	b to o a : c ≡^{0} to b p : b n :
22	St. Cu.	Nb. Cuf.	St. Cu.	1	1	10	10	1	2	...	...	●	●	...	...	b a : o ● to b p : b n :
23	A. Cu. : St. Cu.	A. St. : St. Cu.	St. Cu.	7	9	10	9	5	2	...	...	...	...	...	☂	c & o ≡^{0} a & p : b ≡^{0} n : ☂ 19h.
24	Ci. St. : St. Cu.	Ci.-Ci. St. : Cu.	Ci. St. : St. Cu.	3	5	5	3	2	2	...	...	...	...	...	...	b & bc a, p & n :
25	St. Cu.	Ci. St. : Cu.	Ci. Cu.-Ci. St.	2	3	6	5	2	6	...	...	...	...	...	...	b & bc a, p & n :
26	Ci. : St. Cu.	Ci.Cu.-A.St.: St.Cu.	Ci.St.-Ci.Cu. : St. Cu.	4	7	6	8	2	8	...	...	...	...	...	...	b & c a, p & n :
27	A. St. : St. Cu.	St. Cu. : St.	St. Cu. : St.	10	9	10	10	10	10	...	...	●	●	...	...	c & o a : ● p : o, ●^{0} n :
28	St.	Nb.	A. St. : St. Cu. : St.	10	10	10	10	10	10	...	●^{0}	●^{0}	...	...	...	o, ●^{0} a : o ≡^{0} p & n :
29	Nb.	Nb.	Nb.	10	10	10	10	10	10	●^{0}	●	●	●^{0}	●	●	● & ●^{0} throughout
30	Nb.	Nb.	St. Cu.	10	10	10	10	10	6	●^{0}	●^{0}	●	●^{2}	≡	...	● & ●^{2} a & p : ≡ to bc ≡^{0} n :
31	St.	Nb.	St. Cu.	10	10	10	10	8	1	...	≡	●	...	...	...	o ≡^{0}, ≡ to ● a : p ● p : bq n :
Mean Cloud Am'nt				5·8	6·1	6·3	6·3	5·6	5·8							

100. Aberdeen. **February, 1923.**

1	Ci. : St. Cu.	Ci. : St. Cu.	St. Cu.	1	1	1	2	10	10	...	...	...	...	...	●	b a & p : b to o, o ●, p ●^{0} n :
2	—	St. Cu.	—	–	–	1	1	–	–	...	...	...	...	...	...	q early, fine throughout.
3	St. Cu.	A. St. : St. Cu.	St. Cu. : Fr. Nb.	1	7	5	7	8	8	...	...	...	...	p ●^{0}	...	b & cq a : cp ●^{0} p & n :
4	St. Cu.	Ci.	Ci. St.	2	1	1	1	1	10	...	...	...	...	...	...	b a & p : b to o n :
5	St. Cu.	St. Cu. : Fr. Cu.	Nb.	10	9	8	10	10	10	...	...	...	...	●	...	oq a : c & oq, ● p : ●^{0} n :
6	A.St. : St.Cu. : Fr.St.	Nb.	Nb.	10	10	10	10	10	10	...	...	●^{2}	●	●	●	oq, ●^{2} a : ●^{2} to ● p & n : [b ≡^{0} n :
7	Cu.	Nb.	A.St.: Fr.St. : Fr.Nb.	1	10	10	10	10	1	...	...	✱^{2}	●^{2}	...	...	● early, b to o, ● & ✱^{2} a : ●^{2} p : oq to
8	Nb.	Nb.	St. Cu.	10	10	10	10	10	10	●	●^{2}	●	...	...	●^{0}	●& ●^{2} q a & p : o to o ●^{0} n : [≡^{0} p & n :
9	St. Cu.	Fr. St.	St. Cu.	2	7	1	–	1	10	⌴	...	∞	...	...	...	p ●^{0} early, b⌴ ≡^{0} & c ≡^{0} a : b ∞ to o
10	Nb.	Nb.	Nb.	10	10	10	10	10	10	●^{0}	●	●^{2} ≃	●≃	●≃	●	oq, ●^{0} to ●^{2} ≃ q a : ● ≃ p : ● q n :
11	Nb.	Nb.	Nb. : St.	10	10	10	10	10	10	●^{0}	...	●	●	...	●^{0}	● q ≡^{0} throughout.
12	Nb.	St. Cu. : Fr. St.	St. Cu. : Fr. St.	10	10	6	9	9	9	●^{0}	...	...	...	...	...	●^{0} & ●^{2} ≡^{0} to bc ≡^{0} a : c & op ●^{0} ≡^{0} p :
13	St.	Nb.	Nb.	10	10	10	10	10	10	...	●^{0}	●^{0}	●	●	●	o ≡^{0}, ●^{0} a : ● ≡^{0} p & n : [●^{0} ≡^{0} n :
14	St.	Nb. Cuf.	Nb.	10	10	10	10	10	10	...	✱^{0}	●^{0}	●^{0}	✱^{0}	✱^{0}	●^{0} to ✱^{0} & ✱^{0} ≡^{0} throughout.
15	Nb. Cuf.	Nb.	St. Cuf.	10	10	10	10	10	10	✱^{0}	...	●	...	...	●^{0}	✱ ≡^{0} to ● ≡^{0} a : oq ≡^{0} p : ●^{0} ≡^{0} n :
16	Nb.	Nb.	Nb.	10	10	10	10	10	10	●	●	●^{0}	●	●	●^{0}	● q ≡^{0} throughout.
17	St. Cu. : St.	St. Cuf.	St. Cuf.	10	10	10	10	10	10	...	...	...	...	...	...	●^{0} early, oq, p ✱^{0} a : o ≡^{0} p & n :
18	St. Cuf.	St. Cuf.	St. Cuf.	10	10	10	10	10	10	...	...	...	...	...	...	Dull and squally throughout.
19	St. Cuf.	St. : St. Cuf.	St. Cu. : Cu.	10	10	10	10	10	10	...	...	...	✱^{0} p	...	...	o ≡^{0} a : p ✱^{0} p : o ≡^{0} n :
20	St. Cu. : St. Cuf.	Nb.	Nb. Cuf.	10	10	10	10	10	10	...	✱	✱^{0}	✱^{0}	...	✱^{0}	p ✱^{0} & ✱^{0} ≡^{0} throughout. ☒ tra. [10 mm.
21	Nb.	Nb.	Nb.	10	10	10	10	10	10	...	✱	✱^{0}	✱^{0}	✱^{0}	●^{0}	✱ & ✱ ▲ q ≡^{0} a & p : ✱^{0} ≡^{0} n : ☒ 5-
22	Nb.	Nb.	A. St. : Cu.	10	10	10	10	10	10	●^{0}	●^{0}	●^{0}	...	...	...	●^{0}, ▲^{0} ✱^{0} a : ●^{0} to o ≡^{0} p : o ≡^{0} n :
23	St. Cu. : Fr. St.	St. Cu. : St.	Nb.	3	4	9	9	10	9	...	...	...	...	...	...	b & bc ≡^{0} a : c & o ≡^{0}, ●^{0} p : o-bc ≡^{0}
24	St. Cu. : St.	St. Cu. : Cu.	Nb. Cuf.	10	10	9	10	10	10	...	...	...	p ●^{0}	p ●^{0}	...	bc early, o ≡^{0} p ●^{0} all day.
25	St. Cu. : Fr. St.	Nb.	Nb.	10	10	10	10	10	10	...	...	●	●	●	●	oq ≡^{0} early, ● q ≡^{0} all day.
26	St.	St.	Nb.	10	10	10	10	10	10	...	●^{0}	...	●	●≃	●≃	● early to o ≡^{0}, ●q ≡^{0} a : ●≃ q ≡^{0}
27	Nb.	Nb.	Nb.	10	10	10	10	10	10	●^{0}	●	...	●	...	●^{0}	● q ≡^{0} a & p : o ≡^{0} g to ●^{0} n : [p &
28	Nb.	Nb.	Nb.	10	10	10	10	10	10	●^{0}	●^{0}	●	●	●	...	●^{0} ≡^{0}, ● a & p : ●^{0} ≡^{0} n :
Mean Cloud Am'nt				7·0	8·5	8·3	8·5	8·9	9·2							

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.

101. Aberdeen. **March, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	Nb.	A.St. : Nb.Cuf.	A. St. : St. Cuf.	10	10	10	10	10	9	●⁰	●⁰	…	…	…	…	●⁰ ≡⁰ *a* : o *p & n* :
2	Nb.	A. Cu. : Fr. Cu.	St. Cu.	10	10	7	7	2	7	●	…	…	…	…	…	● ≡⁰ to c≡⁰ *a* : c≡⁰ to b≡⁰ *p* : c≡⁰ :
3	Nb.	Nb.	Nb.	10	10	10	10	10	10	●⁰	●	●	●	●	…	●≡⁰ *a & p* : o≡⁰ *n* : [*n* :
4	St. Cu. : St.	Cu. : Cu. Nb.	St. Cu.	8	5	6	7	6	8	…	…	…	…	…	…	bc & cp●⁰ *a & p* : c & o≡⁰ *n* :
5	St. Cu. : St.	Nb.	St. Cu. : Nb. Cuf.	10	10	10	2	10	5	…	…	●	…	…	…	c to o≡⁰, ●q *a* : p●⁰ *p* : bc≡⁰ *n* :
6	A. Cu.	A. St. : Fr. St.	A. St. : A. Cu.	4	9	10	10	2	1	…	…	…	…	◡	…	bc to o≡⁰, ●⁰ *a* : p●⁰, b≡⁰◡ *p* : [b≡⁰ *n* :
7	St. Cu. : St.	Ci. : St. Cu. : Cu.	St. Cuf.	10	10	3	3	10	10	…	…	…	…	…	…	p● early, o to b≡⁰ *a* : b to o≡⁰ *p* : [o≡⁰ *n* :
8	St. : Fr. St.	Nb.	Nb.	10	10	10	10	10	10	…	●	●⁰	●⁰	…	…	● & ●² early, ● ●⁰ *a & p* : o≡⁰ *n* :
9	St. Cu.	St. Cu. : Cu.	St. Cu. : Cu.	10	10	2	4	3	10	…	…	…	…	…	●	o, o to p●⁰▲⁰, b *a* : b & bc *p* : bc to o [●≡⁰ *n* :
10	St. Cu. : St.	A. St. : St. Cuf.	St. Cu. : St. Cuf.	10	10	10	10	10	10	…	…	…	…	…	p●	●, p✶⁰≡⁰ *a* : o≡⁰ *p* : p● *n* :
11	St. Cu. : St. Cuf.	St. Cu. : St. Cuf.	Nb. Cuf.	10	10	6	10	10	10	…	…	…	…	p●▲⁰	…	o to bc≡⁰ *a* : c & o p●⁰≡⁰ *p & n* :
12	St. Cu.	A. St. : Fr. St.	Nb.	10	10	10	10	10	10	…	…	…	…	●⁰	●	oq≡⁰ *a* : ●⁰q≡⁰ to ●² *p & n* :
13	A. St. : Fr. St.	Fr. Cu.	St. Cu.	3	1	1	2	2	–	…	…	…	…	…	…	o early, b≡⁰ *a* : by *p* : b *n* :
14	Ci. Cu. : Ci. St.	Ci.	St.	3	2	1	–	7	10	⌴	…	…	…	…	≡⋮	b⌴, ≡⁰ *a* : b, c≡⁰ *p* : o≡⋮ *n* :
15	St.	St. Cu.	St. Cuf.	10	10	10	10	9	10	…	…	…	…	…	…	Dull throughout.
16	St.	Fr. St. : St. Cuf.	St. Cuf.	10	10	6	2	8	7	…	…	…	…	…	…	o to bc *a* : bc & c *p & n* :
17	St.	St. Cuf.	St. : Fog	9	9	5	4	5	10	…	…	…	…	≡	≡	o≡⁰ *a* : bc, ≡ : *p & n* :
18	St. Cuf.	St.	—	9	1	1	1	–	–	…	…	…	…	…	…	o to b≡⁰ *a* : b≡⁰ *p & n* : [⊕9h–14h
19	Ci. St.	Ci. St. : Fr. St.	St.	2	5	5	10	10	10	≡	≡⊕	⊕	…	…	…	b≡ *a* : bc≡ to o *p* : o≡⁰ *n* :
20	St.	St.	—	10	8	10	2	–	–	…	…	…	…	…	…	c & o *a* : o–b *p* : b≡⁰ *n* :
21	—	Fr. St.	—	–	1	1	2	–	–	≡⌴	…	…	…	…	…	b≡⁰ to ≡, ≡⁰ *a* : b≡⁰ *p & n* :
22	St.	Ci.-Ci. Cu.	A. Cu. : St. Cuf	10	–	2	2	7	10	≡⋮	≡⋮	⊕	…	…	…	≡⋮ *a* b *p* : c & o≡⁰ *n* : ⊕13h
23	St.	St. Cu. : St. Cuf.	St. Cuf.	10	10	9	6	10	10	…	…	…	…	…	…	o≡⁰ *a* : to bc to o≡⁰ *p* : o≡⁰ *n* :
24	Nb.	St. : Fr. St.	St. : Fr. St.	10	10	10	8	9	6	●⁰	●⁰	…	…	…	…	●⁰≡⁰ *a* : c & o *p* : bc *n* :
25	Ci. : A. Cu. : St.	Ci. : Ci. Cu.	Ci. : St. Cu.	7	4	1	4	2	2	⌴	…	…	…	…	…	c⌴ to bc≡⁰ *a* : b & bc≡⁰ *p & n* :
26	Ci.	Ci.	Ci. : St.	2	2	1	1	4	5	…	…	…	…	…	…	b & bc≡⁰ *a, p & n* : [*n* : ⊕15h
27	Wet Fog	St. : Fog	Ci.-Ci. Cu. : A. Cu.	10	10	9	8	4	6	≡⋮	≡⋮	…	⊕	…	…	bc early, o≡⋮, ●⁰ *a* : c & o≡⁰ *p* : bc≡⁰
28	St. Cu. : Nb.	A. Cu.	St. : Fog	10	6	1	10	1	10	●⁰	≡⋮	…	…	…	…	o, ●⁰, b & bc≡⋮ *a* : b & o≡⁰ *p & n* :
29	Fog	—	Ci.	10	1	–	–	1	10	≡	≡⋮	…	…	…	≡	≡ to b≡⁰ *a & p* : ≡ *n* :
30	St. : Fog	St.	St. : Fog	10	10	10	10	10	10	≡	≡	…	…	≡⋮	≡⋮	o≡ & ≡⁰ *a, p & n* :
31	Fog	Fog.	St.	10	10	10	10	10	10	≡⋮	≡⋮	≡⋮	…	…	…	≡⋮ *a & p* : o≡⁰ *n* :
Mean Cloud Amt				8·3	7·2	6·0	6·0	6·2	7·3							

102. Aberdeen. **April, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu. : St. Cuf.	Nb.	Nb.	10	10	10	10	10	10	…	…	●	●	●	●	op●⁰ *a* : ● & ●²≡⁰ *p & n* :
2	Nb.	St.	Nb.	10	10	10	10	10	10	●⁰	…	…	…	●⁰	●⁰	●, ●⁰, o≡⁰ *a* : o≡⁰ *p* : ●⁰ ≡⁰ *n* :
3	St.	St.	Ci.:Ci.Cu.:St.:Fr.St.	10	10	10	10	7	5	…	…	…	…	…	…	o≡⁰ *a & p* : bc≡⁰ *n* :
4	A. Cu. : St. Cu.	A. Cu. : St. Cuf.	St.	8	10	5	10	10	10	…	…	…	…	…	…	c & o≡ *a, p & n* :
5	Ci.St.A.St.:Fr.St.	Ci.:A.Cu.:St.Cuf.	Ci. : St. Cuf.	7	9	6	7	7	6	…	…	…	…	…	…	Mainly bc & c≡⁰ throughout
6	St. Cu. : St.	Nb. : St.	St. Cuf. : Fr. St.	10	10	10	10	10	10	…	…	p●⁰	…	…	…	oq, p●⁰, p●⁰▲⁰ *a, p & n* :
7	Nb.	St.	St.	10	10	10	10	10	10	p●⁰	●⁰	…	…	…	…	op●⁰, p●⁰▲⁰ *a* : o≡⁰ *p & n* :
8	St. Cu. : St. Cuf.	Cu. : St. Cuf.	St. Cuf.	10	10	8	8	10	9	…	…	…	…	…	…	c & o throughout.
9	St. Cu.	St. Cu.	Cu.	10	9	9	8	5	–	…	…	…	…	…	…	o *a* : c & o *p* : b & bc *n* :
10	Nb.	Cu. : Fr. St.	Ci. : Ci. Cu. : Cu.	10	10	8	3	6	8	●	●	…	…	…	…	bc, ●q≡⁰ to c *a* : b & bc≡⁰ *p* : c & o *n* :
11	St. Cu. : Fr. St.	Nb.	St.	10	10	10	10	10	10	…	●	●⁰	●⁰	…	…	●≡⁰ *a* : ●⁰≡⁰ *p* : o≡⁰ *n* :
12	St.	St.	Nb.	10	10	10	10	10	10	…	…	…	…	●⁰	…	o≡, p●⁰ or ●⁰ *a, p & n* :
13	Wet Fog	Ci. : Cu.	Ci. St. : St. Cu.	10	8	2	10	1	–	≡⋮	…	…	●⁰	…	…	≡⋮ to b≡⁰ *a* : b & o●⁰ ≡⁰ *p* : b ≡⁰ *n* :
14	St. Cu. : St.	St.	Ci. : St. Cu. : Fr. St.	10	10	8	7	4	5	…	●⁰	…	…	…	…	●⁰≡⁰ *a* : c≡⁰ *p* : bc≡⁰ *n* :
15	St.	St.	St.	10	10	10	10	10	10	≡	…	…	…	…	…	≡ early, dull after.
16	St.	Nb.	St. Cu. : St.	10	10	10	9	10	10	…	●⁰	●⁰	…	…	●⁰	●⁰ ≡⁰ *a* : o≡⁰ *p* : ●⁰≡⁰ *n* :
17	St.	St. Cu. : St. Cuf.	St. Cu. : Cu.	10	9	7	5	2	2	…	…	…	…	…	…	p●⁰≡⁰ *a* : c to b *p & n* :
18	A. Cu. : St. Cuf.	Cu.	St. Cu. : Cu.	2	2	1	6	6	10	…	…	…	…	…	…	b early, b & bc *a & p* : b to o *n* :
19	St. Cu.	St. Cu.	Cu. : St. Cu.	7	7	7	9	7	8	…	…	…	…	…	…	c & o throughout.
20	St. Cu.	St. Cu. : Fr. St.	St.Cu.:Cu.Nb.:Fr.St.	10	9	10	8	10	9	…	…	…	…	…	…	c & o p● & p●▲ *a, p & n* :
21	St. Cu.	St. Cu. : Cu. Nb.	Nb. Cuf.	8	10	1	8	9	8	…	…	…	…	…	…	c & o, q, p●⁰, p●▲⁰ *a, p & n* :
22	St. Cu.	St. Cu. : Cu.	St. Cu.	9	10	10	10	10	10	…	…	…	…	…	…	c & o, p●▲ *a* : o *p* : op●⁰≡⁰ *n* :
23	Ci. : Nb. Cuf.	St. Cu. : Cu. Nb.	Cu. : Cu. Nb.	6	5	2	5	2	3	p●⁰	…	…	p✶	…	…	bc & c, p●, p✶△ *a & p* : bq, p✶⁰ *n* :
24	Cu. Nb.	Ci. : Cu.	St. Cu. : Cu. Nb.	1	9	3	7	4	10	…	p✶⁰	…	…	…	…	b & oq, p✶△, p✶⁰ *a* : cy *p* : o≡⁰ to ●⁰
25	Nb.	A. St. : A. Cu. : Cu.	A. Cu. : St. Cu. : Cu.	10	8	7	5	9	10	●	…	…	…	…	…	● to c *a* : bc & c *p* : o≡⁰ *n* : [*n* :
26	St. Cu. : Fr. Nb.	A. St. : Nb.	Nb.	10	10	10	10	10	8	…	●⁰	●⁰	●⁰	●⁰	p●⁰	● throughout, q at night.
27	Ci.	Ci. : St. Cu.	St. Cu. : Cu. Nb.	1	4	8	8	9	7	…	…	…	…	p●⁰	…	b to cy *a & p* : c & op●⁰ *n* :
28	Ci. : Ci. Cu.	Ci. St. : Cu.	Ci. St. : St. Cu. : St.	3	4	8	6	8	5	…	⊕	⊕	…	…	…	⌴ early, bc & c≡⁰ *a & p* : c, o●, bc *n* : [⊕9–13h
29	St. Cu.	Cu. Nb.	Ci. St. : St. Cu.	1	6	7	8	7	10	…	…	…	p●▲	⊕	…	⌴ early, bc & c, v *a* : cp●▲ *p* : o *n* :
30	Nb.	St.	Nb.	10	10	10	10	10	–	●⁰	●⁰	…	●⁰	●⁰	…	●⁰≡⁰ *a & p* : b to o *n* : [⊕18h
Mean Cloud Amt				8·1	8·6	7·6	8·2	7·8	7·4							

103. Aberdeen. **May, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu. : St. Cuf.	A. Cu. : Fr. Cu.	St. Cu. : Fr. Nb.	10	9	4	10	9	10	...	p●⁰	...	p●⁰	...	...	Mainly c & op●⁰ *a & p* : o *n* :
2	St. Cuf.	Ci. : St. Cu.	Ci.-Ci. Cu.	4	10	4	1	1	1	...	●⁰	...	...	...	...	bc to o●⁰ to bc *a* : b *p & n* :
3	Ci.-Ci. St. : St. Cuf.	A. Cu.-A. St. : St. Cu.	A. Cu. lent.	4	5	9	10	7	5	⊕	...	...	...	...	...	bc to o *a* : o *p* : bc *n* : ⊕ 7h
4	—	Ci. : Ci. Cu.	Ci. : St. Cu.	–	–	1	1	1	1	...	...	...	...	...	...	b, by, b *a, p & n* :
5	Ci. Cu.	Ci. St. : St. Cu. : Cu.	A. St. : St. Cu.	2	5	7	6	9	10	...	...	...	...	...	...	b & bc *a & p* : o≡⁰ *n* :
6	A. Cu. : St. Cu.	A. Cu. : St. Cu.	Ci. : St. Cu. : Cu.	8	9	7	8	2	1	...	...	...	...	...	...	c & o *a & p* : b *n* :
7	—	St. Cu. : Cu.	St. Cu. : Cu. : Cu.Nb.	–	1	6	7	5	7	...	...	...	...	...	...	b *a* : bc & cp● *p* : c & o *n* :
8	St. Cu. : St. Cuf.	St. Cu. : Cu.	St. Cu. : Cu. Nb.	6	6	9	9	4	4	...	...	...	...	...	...	bc, p●⁰▲⁰ *a* : c & op● *p* : bc *n* :
9	St. Cu. : St. Cuf.	St. Cu. : Cu.	Nb. Cuf.	5	6	9	10	9	9	...	...	...	●⁰	...	●⁰	⌴, bc & cp●⁰ *a* : op●, ✱⁰ *p* : ●⁰ *n* :
10	Ci.	A. St. : Fr. St.	Nb.	1	10	10	10	10	8	...	...	...	●⁰	●⁰	...	b & bc *a* : o✱, ✱△, ●⁰≡⁰ *p* : ●⁰, c≡⁰ [*n* :
11	St. Cu. : Nb. Cuf.	Nb.	Nb.	10	10	10	10	10	10	p✱	●	✱	●⁰	●	●	✱≡⁰ *a* : ●≡⁰ *p & n* :
12	Nb.	St. Cuf.	A. St. : St. Cuf.	10	10	10	10	9	10	●⁰	●⁰	...	...	...	...	o●⁰q *a* : c & oq, p●⁰ *p* : o, ●² later *n* :
13	A. Cu. : St. Cu. : Nb.	Cu. Nb.	Ci.St.:Cu.Nb.:Nb.Cuf	7	8	9	8	7	9	...	...	...	...	...	...	c & op● & ●², p●△ *a & p* : c & op●⁰ *n* :
14	Ci. : Cu.	Ci. St. : St. Cu. : Cu.	A.St. : St.Cu. : Fr.St.	1	6	10	8	9	9	...	...	⊕	...	...	●⁰	o to b to o *a* : c & op●⁰ *p & n* : ⊕ 13h
15	Nb.	Cu.	Nb.	10	10	7	10	10	10	●²	●⁰	...	...	●	●	●²≡⁰, ●⁰ *a* : c & op●⁰ *p* : ●≡⁰ *n* :
16	Ci. St. : St. Cuf.	A.St. : A.Cu. : Cu.Nb.	Nb. Cuf.	9	9	8	8	9	8	...	●⁰	...	...	p●⁰	...	●, ●⁰ *a* : cq, p●⁰ *p & n* :
17	Nb.	Nb.	St.Cu.: Fr.Nb.Cuf.	9	10	10	10	8	8	p●⁰	●	●²	●⁰	...	...	op●⁰q, ●, ✱², ●²≡⁰ *a & p* : c & oqp●⁰ [*n* :
18	Ci. Cu. : St.Cu. : Cu.	St. Cu. : Nb. Cuf.	St. Cu. : Fr. Nb.	5	9	10	9	8	8	...	...	●⁰	p●⁰	●⁰	...	bc to o●⁰ *a* : c & op●⁰ *p & n* :
19	St. Cu. : Cu.	Cu. Nb.	St. Cu. : Cu. Nb.	9	9	7	6	9	9	...	...	...	...	p●	...	bc & op ● throughout.
20	St. Cu. : Nb.	Nb.	Cu.	10	10	10	10	9	3	●⁰	●⁰	●⁰	p●⁰	...	...	●⁰≡⁰ all day, b later.
21	St. Cu. : Cu.	A. Cu. : Cu. : Cu. Nb.	Ci.-Ci. Cu. : Cu.	3	8	9	6	3	5	...	...	...	...	...	...	b, c & op●△ *a* : p●⁰, bq *p & n* :
22	St. Cu. : Cu.	St. Cu. : Cu.	St. Cu.	4	10	9	6	5	1	...	...	...	...	...	...	b & bc, c & o *a* : bcy *p* : b *n* :
23	Ci. : Ci. St. : St. Cu.	Cu.	St. Cu. : Cu.	4	10	5	0	8	0	⊖	●	...	...	...	...	b to o, ●, bcy *a* : bc & c *p & n* : ◑ 7h
24	Ci. St. : St. Cu.	A. St. : Cu. : Nb.	A. St. : St. Cu.	5	6	10	10	10	5	...	...	●⁰	...	...	...	b & bc *a* : c to o●⁰, o *p* : c & bc, p●² *n* :
25	Ci. : St. Cuf.	Nb.	Nb.	6	10	10	10	10	10	...	p●	p●	●	●²	●	bc to op● *a* : ● & ●²≡⁰ *p & n* :
26	Nb.	Nb. Cuf.	Nb.	10	10	10	10	10	10	●	...	p●⁰	●	●⁰	●²	●, o, p● & p●▲ *a* : ● *p* : ● & ●² *n* :
27	St.	St.	St. Cuf.	9	10	10	6	4	10	...	...	...	...	...	...	p●⁰ early, c & o *a* : bc *p & n* :
28	St. Cuf.	St. Cuf.	St. Cuf.	8	8	6	3	2	10	...	...	...	...	...	...	bc & cq *a* : bq *p* : c & o *n* :
29	St. Cuf.	St. Cu. : Cu.	St. Cu. : Cu.	10	10	10	10	9	10	...	...	...	...	...	...	oq, o *a, p & n* :
30	St. Cu. : Nb. Cuf.	Nb. Cuf.	St. Cu. : Nb. Cuf.	10	10	10	10	10	10	...	●⁰	●⁰	●⁰	●⁰	...	p●⁰ early, ●⁰ *a, p & n* :
31	St. Cu.	St. Cuf.	St. Cuf.	10	10	9	7	1	–	...	●⁰	...	...	...	...	●⁰, o *a* : c & o *p* : b *n* :
Mean Cloud Am'nt				6·4	8·2	8·2	7·9	7·0	7·0							

104. Aberdeen. **June, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St.	St. Cuf.	A. Cu. : St. Cuf.	10	8	9	8	6	–	...	...	...	...	...	...	c & o *a & p* : b *n* :
2	St. Cuf.	Ci. : Ci. Cu.	Ci. St. : St. Cu.	10	4	3	7	7	9	...	...	...	...	...	...	o to b *a* : c, c & o *p & n* :
3	St. Cu. : St.	Nb.	Nb.	10	10	10	10	10	10	...	●⁰	●⁰	●⁰	●⁰	...	ov, ●⁰ *a* : ●⁰ *p & n* :
4	St. Cu. : St.	Cu.	Ci. Cu. : Cu.	10	8	10	9	9	10	...	...	...	...	...	...	c & o *a & p* : p●⁰ *n* :
5	A. Cu. : Cu.	A. St. : Nb.	Nb.	4	10	10	10	10	10	...	...	p●	●⁰	●⁰	...	c & o *a* : ● & ●⁰ *p & n* :
6	Ci. : Cu.	Cu.	St. Cu. : Cu.	2	7	7	3	7	2	...	...	...	...	...	...	b, b & bc *a* : bv *p* : c, b & bc *n* :
7	St. Cu.	Ci. St. : Cu.	A. Cu. : St. Cu.	9	10	9	8	4	10	...	...	⊕	...	...	...	o≡⁰ *a* : c & bc *p* : bc to o *n* : ⊕11h-14h
8	A. St. : St. Cuf.	A. St. : St. Cuf.	A. Cu. : Cu.	10	10	10	8	7	8	...	...	...	...	...	...	p● early, oq, p●⁰ *a & p* : cq *n* :
9	A. Cu. : Cu.	A. Cu. : Cu.	Nb.	8	6	10	10	10	10	...	...	...	...	...	●⁰	bc & c, qy *a* : o, ●⁰ *p* : op●, ●⁰≡⁰ *n* :
10	St. Cu. : Cu.	A. Cu. : Cu.	St. Cu. : Cu. Nb.	6	2	7	8	8	9	...	...	...	...	...	...	b & bcq *a* : cq *p* : c & o *n* :
11	Ci. Cu. : Fr. Nb.	Ci. : Ci. Cu. : Cu.	Cu. Nb.	7	6	6	4	8	1	p●	p●⁰	...	...	...	...	bc & cp●⁰q *a & p* : b *n* :
12	A. St.	A.St. : St.Cu. : Fr.Nb.	A.Cu. lent : Fr.Cu.	10	10	9	10	8	9	...	●⁰	...	...	...	...	b to o, ●⁰≡⁰ *a* : c & o *p* : o *n* :
13	Cu.	St. Cu. : Cu.	St. Cu. : Cu. Nb.	8	4	10	10	9	10	...	...	...	...	...	...	p●⁰ early, cq *a* : oq, p●⁰ *p & n* :
14	Nb. Cuf.	Cu.	Ci. Cu.	7	9	3	4	1	8	p●⁰	p●⁰	...	⊕	...	...	c & oq, p● *a* : bcq, b *p* : c *n* : ⊕ 15h
15	A. Cu.	A. Cu. : St. Cu.	A. St. : Nb.	8	7	10	10	10	10	...	...	...	...	...	...	bc & c *a* : o *p* : o●⁰≡⁰ *n* :
16	Ci. Cu. : St. Cuf.	A. Cu. : St. Cu. : Cu.	St. Cu. : Cu.	7	6	6	6	5	7	...	...	...	...	...	...	bc & cp●⁰ *a* : bc *p* : c *n* :
17	St. Cu. : Cu.	Ci. : Ci. St. : Cu.	St. Cu.	4	9	5	7	10	9	...	...	⊕	...	...	...	● early, c & o *a* : c *p* : o *n* : ⊕ 13h
18	St. Cuf.	Ci. Cu. : St. Cu.	Ci. St. : St. Cu.	10	7	6	3	4	1	...	...	...	∞	∞	...	c & o *a* : b ∞ *p* : b *n* :
19	St. Cu.	Cu. Nb.	St. Cu. : Cu. Nb.	4	5	9	9	9	9	...	...	p●⁰	...	...	...	bc & c *a* : c & o, p● *p & n* :
20	St. Cu. : St. Cuf.	A. Cu. : Cu.	St. Cu.	10	10	4	8	10	10	...	...	...	...	...	...	op●⁰ *a* : bcy *p* : o *n* :
21	A. St. : St. Cu.	A. Cu. : A. St. : St. Cu.	St. Cu. : Cu.	10	10	9	8	10	10	...	...	...	...	...	...	o, oy, o *a, p & n* :
22	St. Cuf.	St. Cu. lent : Cu.	Cu.	10	7	10	10	9	10	...	⊕	...	...	...	...	p●⁰ early, c & oq, y *a* : oq, o *p & n*
23	Ci. : A. Cu. : St. Cu.	Ci. Cu. : St. Cu. : Cu.	A. Cu. : St. Cu.	10	7	8	5	6	9	...	...	...	...	...	...	c & oq, y *a* : b & bc qy *p* : c to o *n* :
24	Nb.	Nb.	St. Cu. : Fr. Nb.	10	10	10	10	9	1	●⁰	...	●	●	...	...	●≡⁰q *a* : ●≡⁰ *p* : o to b *n* :
25	St. Cuf.	Ci. St. : St. Cu. : Fr. Cu.	Cu.	6	8	8	7	6	1	...	...	⊕	...	...	...	b & bc, o, cy *a & p* : b *n* : ⊕ 13h
26	Ci. : Ci. St. : Cu.	Ci. Cu. lent	A. Cu.	4	8	3	2	3	5	...	...	...	...	...	...	b & cqy *a* : byq *p* : bc *n* : ⊕10h
27	St. Cu.	St. Cu.	St. Cu.	10	10	10	9	9	10	...	...	...	...	...	...	Dull throughout.
28	St. Cu.	Ci.	Ci. : A. Cu. : Cu.	7	2	2	2	4	7	...	...	...	...	...	...	c to by *a* : by, bv bc *p* : c *n* :
29	St. Cu.	A. Cu. : St. Cu.	St. Cu. : St.	9	10	8	10	10	10	...	...	...	...	...	...	Mainly dull, ≡⁰ later.
30	St. Cu. : Fr. St.	St. Cu. : Fr. St.	Nb. Cuf.	4	10	9	9	10	8	...	...	...	●⁰	●⁰	...	c, o●⁰ *a* : ●⁰, ●, c *p & n* :
Mean Cloud Am'nt				7·8	7·7	7·7	7·5	7·6	7·4							

Day.	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks.
	Cloud Forms.			Cloud Amount (All Forms).						Weather.						

105. Aberdeen. **July, 1923.**

Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	Nb.	Nb. Cuf.	Nb.	10	9	10	10	10	10	●⁰	...	●⁰	●⁰	...	...	●⁰ *a & p* : o *n* :
2	St. Cu.	Ci. : A. Cu. : Cu.	St. Cu.	7	9	5	10	7	10	...	...	...	...	...	...	Mainly cloudy throughout.
3	A. Cu. : Fr. St.	Cu.	St. Cu.	7	6	7	6	3	1	...	...	...	...	...	...	bc & c *a & p* : b *n* :
4	Ci. : St. Cu.	Ci. : A. Cu. : Cu.	A. Cu. : St. Cu.	4	6	4	9	8	3	...	...	...	∞	...	...	b & bc *a* : c & o p●⁰ ∞ *p* : b *n* :
5	St. Cu.	St. Cu. : Fr. Nb.	A. Cu. : St. Cu.	10	9	10	8	4	7	...	...	●⁰	∞	∞	...	c & o, ≡⁰, ●⁰ *a* : bc ∞ *p* : c≡⁰, p● [later *n* :
6	St. Cu.	Ci. Cu.	Ci.-Ci. Cu. : A. Cu.	4	3	1	6	4	7	...	∞	∞	∞	...	...	bc ≡⁰ to b ∞ *a* : bc ∞ *p* : c ≡⁰ *n* :
7	Ci. Cu.	Ci. St. : A. St. : Fr.Cu.	St. Cu.	1	1	9	10	7	10	...	...	...	...	...	●	b≡⁰ to o≡⁰ *a* : c & o≡⁰ *p* : ☈●& ●² *n*:
8	St. Cu. : Cu. Nb.	A. Cu. : St. Cu.	A. St. : Cu. Nb.	10	10	5	7	9	2	T●	...	...	...	...	...	●, T, ☈●², o≡⁰ *a* : c≡⁰ *p* : o to b *n* :
9	Ci. : St. Cu.	Ci. : St. Cu.	Ci.	6	8	4	7	1	4	...	...	...	...	...	...	Mainly b & bc throughout.
10	A. Cu.	St. Cu. : Nb.	St.	1	3	10	10	10	10	...	...	...	●	...	∞	b≡⁰ to o●⁰ *a* ●, ☈●², o≡⁰ *p*: ●≡⁰ *n*:
11	St.	A. Cu. : Fr. St.	A. Cu. : St. Cu.	10	10	4	10	4	4	...	●⁰	...	...	...	...	o≡⁰, ☈●², ●⁰ to bc≡⁰ *a* : c & o≡⁰ *p* :
12	St. Cu. lent.	A. Cu. : St. Cu. : Cu.	Cu.	8	8	9	7	8	9	...	...	...	...	...	...	Cloudy all day, dull at night. [bc≡⁰ *n* :
13	Cu.	Cu.	St. Cu.	9	7	1	4	9	10	...	...	...	...	...	...	c & o *a* : b & bc *p* : o *n* :
14	St. Cu.	St. Cuf.	St. Cu. : St.	10	10	10	9	7	10	...	...	...	...	...	...	o *a & p* : c & o *n* :
15	St.	Fr. St.	Nb.	10	10	8	6	9	10	...	...	...	...	●⁰	●⁰	c & o≡⁰ *a* : bc to o●⁰≡⁰ *p & n* :
16	St. Cu.	Cu.	St. Cu. : Cu.	10	7	9	8	3	1	...	...	...	...	...	...	c & o ●⁰ *a* : c & o *p* : b *n* :
17	Ci. Cu.-A. Cu.	A. Cu. : St. Cu. : Cu.	Cu. Nb.	6	5	7	5	4	7	...	...	...	...	...	...	bc *a* : p●⁰ *p* : c *n*
18	A. St. : St. Cu. : Nb.	A. Cu. : Cu. Nb.	St. Cu. : Cu. Nb.	10	9	9	9	8	9	●⁰	...	...	...	...	...	c & o p●⁰, p● & ●² *a, p & n* :
19	A. St. : St. Cu.	A. St. : Fr. Nb.	St. Cu.	10	10	10	2	6	5	...	...	●⁰	...	...	...	o p ●⁰ *a* : o to b & bc *p & n* :
20	Ci. Cu.-A. Cu. : Cu.	Ci. Cu.-A. Cu. : Cu.	St. Cu.	6	7	4	5	9	10	...	...	...	...	...	...	bc & c, y *a & p* : o p ●⁰ *n* :
21	Cu.	Cu. : St. Cu.	A. St. : St. Cu.	2	6	10	10	10	10	...	...	...	...	...	...	b to oqy *a* : o *p & n* :
22	Nb.	A.Cu.:St.Cu.lent:Cu.	A. Cu. : St. Cu.	10	10	9	10	10	9	●⁰	...	...	...	...	...	●⁰ too, y *a* : o *p* : o p ●⁰ *n* :
23	Cu.	St. Cu. : Cu.	St. Cu. : Cu. Nb.	2	7	9	7	4	8	...	...	...	...	...	...	●, c & o, p ●⁰ & p ● *a, p & n* :
24	St. Cu. : Cu.	St. Cu. : Cu.	Nb.	8	9	10	10	10	9	...	p●⁰	...	...	●⁰	...	c & o, p●⁰ *a* : o, ●⁰ *p* : ●, o *n* :
25	St. Cu.	St. Cu. : Cu.	St. Cu. : Cu. Nb.	10	7	9	8	4	1	...	...	...	...	...	...	c & o, cp ●⁰ *a* : c *p* : b *n* :
26	Cu. : St. Cuf.	Nb.	Ci. Cu. : Cu.	8	3	10	9	5	10	...	...	●	...	...	...	bc p●⁰ *a* : o●, o to bcq *p* : c & o,
27	Ci. : Cu.	Ci. Cu. : St. Cu. : Cu.	St. Cu. : Cu.	4	7	3	9	10	10	...	...	...	...	...	...	bc & c *a* : b to o *p* : o *n* : [p●⁰ : *n* :
28	Nb.	A. St. : Nb.	Nb.	10	10	10	10	10	10	●	●⁰	●⁰	...	●⁰	●⁰	o ● ≡⁰, & ●⁰ throughout.
29	St. Cu.	St. Cuf.	Nb.	10	10	10	10	10	10	...	...	...	●⁰	●⁰	≡	o *a* : ●⁰≡⁰ *p* : ●≡⁰ to o≡ *n* :
30	Nb.	A. Cu. : Cu. : St.	A. Cu. : St. Cu. : Nb.	10	10	1	9	9	8	●⁰	...	...	●	●⁰	...	● & ●⁰≡⁰ to b *a* : b to o●≡⁰ *p* : [c & o≡⁰ *n* :
31	Fog.	A. Cu.-St. Cu. : Fr. St.	St. Cu.	10	10	7	10	9	10	≡⁝	...	...	●⁰	...	...	p●⁰ early, ≡⁝, o≡⁰ *a* : c & o ≡⁰, ●⁰ [*p* : o *n* :
Mean cloud m'nt				7·5	7·6	7·2	8·1	7·1	7·5							

106. Aberdeen. **August, 1923.**

Day	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu. : St.	St. Cu. : Cu.	St. Cu. : Cu. Nb.	10	8	9	10	8	1	...	...	...	●	...	...	c & o *a* : p● *p* : b *n* : [p●², ●≡⁰ *n* :
2	A. Cu. : St. Cu.	A. St. : Nb.	A. St. : Nb.	8	9	10	10	10	10	...	...	●⁰	...	●	●⁰	b early, c to o≡⁰ *a* : o p●⁰≡⁰ *p* :
3	St. Cu. : Fr. Nb.	Cu.	Ci. Cu.-A. Cu. : Fr. Cu.	10	9	10	8	9	1	●⁰	...	...	...	...	...	● to oq *a* : cq *p* : o to b *n* :
4	Ci. : St. Cu.	A. Cu. : Cu.	Ci.:Ci.Cu.:A.Cu.:St.Cu.	4	3	6	1	4	1	...	...	...	...	...	...	Mainly fair.
5	Ci.: Ci.Cu.: Fr. St.	Ci. St.-A. St. : A. Cu.	Ci. Cu. : A. Cu. :St.Cu.	8	4	6	5	8	10	...	...	...	...	...	●⁰	bc & c≡⁰ *a & p* : o●⁰≡⁰ *n* :
6	—	A. Cu. : St. Cu.	A. Cu. : St. Cu.:Fr.St.	–	9	7	10	9	–	...	...	...	...	...	...	b≡⁰ to o≡⁰ *a* : c & o *p* : o to b *n* :
7	Nb.	A. Cu. : Cu.	St. Cu. : Cu. Nb.	10	10	7	9	7	9	●⁰	●	...	...	...	p●⁰	●≡⁰ *a* : c & o p●T, c *p* : p●², p●⁰ *n*:
8	A. Cu. : St.	A. Cu. : A. St. : Cu.	St. Cu. : St.	9	10	10	10	10	10	...	...	...	...	...	●⁰	Dull all day ; ●⁰ *n* :
9	St. Cu.	Ci.-Ci. Cu. : Cu.	Ci. : Ci. Cu. : Cu.	10	6	3	8	6	–	...	...	...	...	...	...	● early, o to by *a* : bc & c *p* : b *n* :
10	St. Cu.	St. Cu. : Cu.	Ci.:Ci. St. : Cu.: St.Cu.	7	5	8	6	7	6	...	...	...	...	...	...	bc & c *a, p & n* :
11	Ci. : St. Cu. lent.	Cu.	Cu.	3	7	6	7	10	6	...	...	...	...	...	...	b & bc *a* : c to o *p* : o to b *n* :
12	A. Cu. : St. Cu.	Ci. : Ci. Cu. : A. Cu.	A. Cu. : A. St. : Nb.	8	8	6	10	10	10	...	...	...	...	●⁰	...	c *a* : c to o ●⁰ *p* : o *n* :
13	St. Cu.	Cu.	Ci. : Cu.	10	10	3	2	1	1	...	●	...	...	...	...	o≡⁰, ●≡⁰ to bc *a* : b to o p●², b *p* :
14	Ci. : Ci. St. : A. Cu.	St. Cu. : Cu.	Ci. Cu. : Cu.: Cu. Nb.	6	5	9	5	8	1	...	...	...	...	...	...	bc & c *a & p* : bc to b *n*: [by, b *n* :
15	A. Cu.	St. Cu. : Cu.	Ci. Cu. : Cu. Nb.	1	1	9	7	9	10	...	...	...	...	...	...	b *a* : c p ● & p●² *p* : o *n* :
16	St. Cu. : Cu.	St. Cu. : Cu.	Nb.	8	8	8	8	10	10	...	...	...	...	●	...	c *a* : cp●⁰, o●≡⁰ *p* : ●, o≡⁰ *n* :
17	Nb.	St. Cu. : St.	St. Cu. : Nb.	10	10	10	10	9	10	●⁰	●⁰	...	●	...	●⁰	●⁰≡ *a & p* : ●⁰ *n* :
18	St. Cu. : St.	St. Cu. : St.	St. Cu. : Cu.	9	10	9	10	4	10	...	...	...	...	...	...	p●⁰ early, o *a* : o to bc *p* : c, o *n* :
19	St. Cu. : Nb.	St. Cu. : Cu.	A. Cu. : St. Cu. : Cu.	9	7	9	7	9	10	●⁰	...	...	...	...	...	●⁰ early, c & o *a, p & n* :
20	St.	St. Cu. : St.	A. St. : St.	10	10	10	10	10	10	...	...	...	...	...	∞	●⁰ early, o≡⁰ *a & p* : o≡⁰, ●⁰ *n* :
21	Nb.	A. St. : A.Cu.: Fr.St.	St. Cu. : Cu.	10	9	9	4	5	–	●⁰	...	...	...	...	...	●≡⁰, ●⁰ to o *a* : bc & cq *p* : b *n* :
22	Ci.-Ci. Cu. : A. Cu.	Ci. : Cu.	Ci. : Cu.	4	4	5	5	3	1	...	...	...	...	...	...	bc *a & p* : b *n* :
23	Ci. : Cu.	Ci. : A. Cu. : Cu.	A. St. : St. Cu.	1	2	7	10	10	10	...	...	...	...	...	●	b *a* : cy to o *p* : ●≡⁰ *n* :
24	St.	Nb.	A. Cu. : Fr. St.	10	10	10	10	7	8	...	●⁰	●	●⁰	...	...	● early, o≡⁰ to ●⁰≡⁰ *a* : o●, p●⁰, c :
25	Ci. St. : St. Cu.	Ci. : A. Cu. : St. Cu.	Nb.	9	9	4	4	10	10	...	...	...	...	●	●	c & o *a* : bc to o●≡⁰ *p & n* : [*p* : c & o●⁰ *n* :
26	St. Cu. : St. Cuf.	A. St. : St. Cu. : Cu. Nb.	St. Cu. : Cu.	8	4	9	7	7	7	...	...	...	...	...	...	●² early, bc & c *a* : c & o p● *p* : c *n* :
27	St. Cu. : St. Cuf.	A. Cu. : St. Cu. : Cu.	Ci. : St. Cu. : Cu. Nb.	2	4	6	6	6	7	...	...	...	...	...	...	bc *a & p* : c p● *n* :
28	Ci. : St. Cu.	Cu. Nb.	St. Cu. : Cu. Nb.	7	8	9	9	6	4	☂	...	...	...	...	...	c ☂, p●² *a* : o p●² to bc *p* : bc *n* :
29	Ci. : A. Cu.	A. Cu. : Cu.	A. St. : St.	4	3	9	9	10	10	...	...	...	...	...	●	bc & b to o *a* : o *p* : ●≡⁰ *n* : ⊕ 15h.
30	Nb.	Nb.	A. St. : Fr. Nb.	10	10	10	10	10	10	●	●	●	●	...	...	●≡⁰ *a & p* : o *n* :
31	St. Cu.	Cu.	Ci. : St. Cu.	6	2	3	2	2	1	...	...	...	...	...	☂	p● early, bc, b≡⁰ *a & p* : b ☂ *n* :
Mean cloud m'nt				7·1	6·9	7·6	7·4	7·5	6·3							

Day.	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks.
	Cloud Forms.			Cloud Amount. (All Forms).						Weather.						

107. Aberdeen. **September, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu.	Cu. Nb. : Cu.	St. Cu. : Cu. Nb.	1	1	6	10	8	6	⊃	...	...	p ●²	...	...	b ⊃, b, cp ● *a* : c & o p ●², ●≡⁰ *p* : bc
2	St. Cu. : St.	Cu.	St. Cu.	8	7	4	4	1	–	...	p ●⁰	...	...	...	...	● early, cp ●⁰ *a* : bc *p* : b *n*: [≡⁰ *n*
3	Ci.	Ci : Ci. St. : Ci. Cu.	A. St.	1	1	4	9	10	10	⊃	...	...	...	...	●	b ≡⁰ *a* : bc to o *p* : o ●≡⁰ *n* : ⊕ 11h & [15h
4	Nb.	Cu.	Ci. : Ci. St. : St. Cu.	10	8	4	7	8	10	●	...	...	...	...	p ●⁰	●², ●, c, bcq *a* : c *p* : c & o p ●⁰ ≡⁰ *n* :
5	A. St.	St. Cu. : Cu.	Cu.	10	10	9	10	9	3	...	...	...	...	...	...	o *a* & *p* : o to b ≡⁰ *n* :
6	A. St.	A. Cu. : Cu.	Nb.	1	1	1	2	9	8	⊃	...	...	...	●⁰	...	b ⊃, b *a* : b to o, ●⁰ *p* : ●⁰, c *n* :
7	St. Cu.	A. Cu. : Cu.	St. Cu. : Cu.	1	1	3	3	2	1	...	...	...	...	...	...	b & bc *a*, *p* & *n* :
8	Ci. St. : St. Cu.	St. Cu. : Fr. Nb	A. St. : St. Cu.	8	4	10	10	9	2	⊕	⊕	●⁰	...	...	...	c & bc, o *a* : ●⁰ ≡⁰ o ≡⁰ *p* : b *n* : ⊕ 7h—
9	Ci. Cu.-A. Cu. : Cu.	Cu. Nb.	A. Cu. : Cu.	6	5	10	4	3	1	...	...	p ●⁰	...	...	...	bcq *a* : p ●⁰, b & bc *p* : b *n* : [9h
10	Ci. Cu.	Ci. : Ci. St. : Cu.	A. Cu. : St. Cu. : Cu.	2	3	6	9	8	10	⊃	...	...	...	...	...	b to bc q *a* : c & o *p* & *n* : ⊕ 14h.
11	Ci. St. : St. Cu. : Cu.	A. St. : St. Cu.	Ci.Cu.-A. St. : St.Cu.	10	6	10	10	9	7	...	...	...	...	...	...	o, bc, p ●⁰ *a* : op ●⁰, q *p* : c & oq *n* :
12	St. Cu.	Fr. Cu.	Cu.	1	1	1	6	6	–	...	...	...	...	...	...	bq *a* & *p* : bc, b *n* :
13	St. Cu.	Nb.	Nb.	10	9	10	10	10	10	...	...	●	●⁰	●	●	b early, o, o ● ≡⁰ *a p* & *n* :
14	Ci. St. : St. Cu.	Ci. : Cu.	Ci. St.	6	4	3	5	3	2	...	...	...	⊕	...	...	● early, b & bc *a* & *p* : b *n* : ⊕ 15h.
15	A. St.-A. Cu.	Cu. : Fr. Cu.	St. Cu.	8	9	2	3	1	–	...	...	...	...	...	...	c ≡⁰ o to b *a* : b *p* & *n* :
16	St. Cu.	St. Cu : Cu : St.	Ci. : St. Cu. : Cu.	9	8	8	7	5	–	...	...	...	...	...	...	cp ● early, c & o *a* : bc & c *p* b *n* :
17	A. Cu : A. St. : St.Cuf	A. St. : Fr. Nb.	Nb.	10	10	10	10	10	10	...	...	...	●	●	●	c, o, ●⁰ *a* : ● ≡⁰ *p* & *n* :
18	St.	A. St. : Fr. Cu.	St. Cu. : Cu.	10	10	10	8	2	...	...	...	...	...	...	...	o *a* & *p* : c ≡⁰ to b *n* :
19	Ci. Cu. : St. Cu.	A. St. : Nb.	St. Cu. : Fr. N.b	1	3	10	10	9	9	...	...	●⁰	●⁰	●⁰	...	b, b to op ●⁰ *a* : ●⁰ ≡⁰ *p* & *n* :
20	Ci.	Ci. : Cu.	St. Cu. : Cu.	1	1	5	2	1	9	⊔	...	...	...	...	...	b ⊔, b *a* : b & bc *p* : b to o ≡⁰ *n* :
21	Nb.	St. Cu. : Fr. Cu.	St. Cu. : Cu. Nb.	10	9	9	8	7	1	●	●⁰	...	p ●⁰	...	...	● ≡⁰ ●⁰ to o *a* : c & o p ●⁰ *p* : c to b *n* :
22	St. Cu. : Cu. Nb.	St. Cu. : Cu.	Cu. Nb.	9	7	7	6	8	2	...	...	...	...	...	...	● ≡⁰ early, c ≡⁰ *a* : bc & cp ●, b ≡⁰ [later *p* & *n*
23	St. Cu.	St. Cu. : Cu.	St. Cu. : Cu. Nb.	9	8	7	7	6	1	...	...	...	...	...	...	c & o *a* : c p ●² *p* : b *n* :
24	St. Cu.	St. Cu. : Cu. Nb.	St. Cu. : Fr. St. Cuf.	1	1	8	4	9	8	⊃	...	...	...	...	...	b ⊃ to c *a* : c & o p ● *p* : c ≡⁰ *n* :
25	Nb.	A. Cu. : Cu.	Ci. : St. Cu. : St. Cuf.	10	10	2	5	4	10	●	●	...	...	...	●⁰	● ≡⁰ to b *a* : bc ≡⁰ *p* : c, o ●⁰ ≡⁰ *n* : [c ≡⁰ *n*
26	St. Cu.	St. Cu.	St. Cu.	6	9	8	7	10	8	...	...	...	...	≡	...	bc to o ≡⁰ *a* : c & o ≡⁰ to ≡ *p* : o ≡ to
27	A. St. : St. Cu.	Nb.	Ci.-Cu. : St. Cu. : St.	10	10	10	10	7	8	...	...	●	...	...	...	o ≡⁰ to ● *a* : ●⁰ to c ≡⁰ *p* : c ≡⁰ *n* :
28	A. St. : Fr. Nb.	Ci. Cu. : Cu.	A. Cu.-St. Cu. lent.	10	4	2	9	9	10	...	...	...	...	...	...	o p ●⁰ to b *a* : b to o *p* : c & o *n* :
29	Ci. Cu : A. Cu.	A. Cu.-St. Cu. : Cu.	Nb.	2	1	9	10	10	10	...	...	...	●⁰	●⁰	...	b, b to o *a* : o ●⁰ ≡⁰ *p* : ●⁰ to o ≡⁰ *n* :
30	Ci.	A. Cu.	St. Cu.	1	2	7	9	9	9	⊃	...	...	...	...	...	b ⊃ to c *a* : c & o *p* : o *n* :
Mean Cloud Am'nt				6·1	5·4	6·5	7·2	6·9	5·6							

108. Aberdeen. **October, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	A. Cu. : St. Cu.	Ci. St. : Cu.	Ci. : Cu.	9	7	1	3	1	10	...	...	...	...	...	...	c & o, bc *a* : b *p* : b to o ≡⁰ *n* :
2	St. Cu. : Fr. Nb.	St. Cu. : Cu. Nb.	St. Cu.	5	2	3	4	4	5	...	...	...	...	...	...	p ●⁰ early, b & bc q *a*, *p* & *n* :
3	A. St.	Ci. : Cu.	Ci. : St. Cu.	9	9	6	7	1	1	...	...	...	...	...	...	c, o, bc *a* : c, b & bc *p* : b & bc p ●⁰ *n* :
4	St. Cu. : Cu. Nb.	Cu. Nb.	St. Cu.	7	9	7	5	8	–	...	p ●⁰	...	...	...	...	c & o p ●⁰ *a* : bc *p* : b *n* : [⊕ 10
5	A. St. : Nb.	St. Cu. : Fr. Nb.	Ci. : St. Cu. : Fr. St.	10	10	10	7	8	-	●⁰	...	...	...	...	...	b, o ●⁰ ≡⁰ *a* : c ≡⁰ *p* : b *n* :
6	A. Cu. : St. Cuf.	Ci. : St. Cu. : Cu.	Ci. St. : St. Cu. : Cu.	10	10	4	3	4	7	...	●⁰	...	...	...	...	bc, o ●⁰ ≡⁰, c *a* : b & bc *p* : c *n* :
7	St. Cu. : Fr. Nb.	St. Cu. : Fr. Nb.	St. Cu.	9	9	7	8	9	8	...	...	●⁰	...	...	...	c & o ●⁰ *a* : c p ●⁰ & p ● *p* & *n* :
8	St. Cu.	Ci. Cu.-A. Cu. : Cu.	A. St. : Fr. St.	3	4	6	9	10	10	...	...	...	...	...	●	o to b & bc y *a* : bc y to o ≡⁰ *p* : ● ≡⁰ *n* :
9	—	Cu.	—	–	–	1	1	–	–	...	...	...	...	...	...	o to bq *a* : bq & bc p ●⁰ *p* : bq *n* :
10	St. Cu.	Ci.-Ci. Cu : Cu.	St. Cu.	4	3	2	4	1	–	...	...	...	...	...	...	b & bc *a* : bc p ●⁰ *p* : b *n* :
11	Cu. Nb.	St. Cu. : Cu. Nb.	St. Cu.	1	1	1	1	1	–	...	...	...	...	...	...	b, bq b *a*, *p* & *n* :
12	Ci. : St. Cu.	Cu.	Nb. Cuf.	4	2	5	7	10	10	...	...	...	...	●⁰	●	b & bc ≡⁰ *a* : bc, c ≡⁰, ●⁰ *p* : ● ≡⁰ *n* :
13	A. St. : St. Cu.	Cu. Nb.	Cu. Nb.	10	10	5	5	6	–	...	●	...	...	p ●⁰	...	o ● to bc *a* : bc & cp ● *p* : b *n* :
14	St. Cu.	Cu. Nb.	A. St. : St. Cu.	1	1	8	5	8	10	...	...	p ●⁰	...	...	●⁰	b *a* : c p ●⁰ *p* : c & o ●⁰ *n* :
15	St. Cu.	A. St. : St. Cu.	A. St. : St. Cu.	8	8	8	10	9	10	...	...	...	...	...	...	c ≡ *a* : c, o ≡ *p* : o ≡" ●⁰ *n* :
16	St. Cu. : Nb. Cuf.	Cu. : Cu. Nb.	A. Cu.	10	8	2	1	1	8	...	...	...	...	...	...	●⁰ early, o to b *a* : b & bc *p* : b to c ≡⁰ *n* :
17	A. St. : St. Cu.	St. Cu. lent.	St. Cu.	7	1	2	8	10	10	...	...	...	...	...	...	●⁰ ≡⁰ early, c to b *a* : b to o ≡⁰ *p* : c & o
18	Ci. St. : St. Cu.	St.	St. Cu.	7	7	10	10	6	10	...	...	...	...	...	...	c ≡⁰ *a* : o to bc ≡⁰ *p* : c, o ≡⁰ *n* : [≡⁰ *n*
19	Nb.	Ci. : Cu.	—	10	8	2	1	–	1	...	...	...	...	...	...	c & oq ●⁰ *a* : bq *p* : b *n* :
20	Ci. Cu.	Ci. St. : A. St. : St.Cuf	St. Cu.	4	4	9	9	8	3	...	...	...	...	...	...	bc, oq *a* : c & oq *p* : b *n* :
21	Nb.	A. St.-A. Cu. : Cu.	St. Cu.	10	8	6	3	4	3	...	...	...	...	...	...	●² ≡⁰ early, c & oq ●⁰ ≡⁰ *a* : b & bc *p* & *n* :
22	St. Cu. : St. Cuf.	Cu.	A. St. : Nb.	7	4	2	2	10	–	...	...	...	...	...	...	b & bc *a* : b to o p ●⁰ *p* : p ●⁰ ≡⁰, o to b *n* :
23	St. Cu.	St. Cu. : Fr. St.	Nb.	8	8	9	10	10	10	...	≡	...	...	●	●	bc, c ≡⁰, ≡, o ●⁰ ≡⁰ *a* : o ≡⁰, ● *p* : [● ≡⁰ *n*
24	Nb.	A. Cu. : Cu.	Ci. : A. Cu.	9	10	6	3	3	1	●⁰	...	...	...	...	...	●, o ≡⁰ to bc *a* : b *p* : b ≡⁰ *n* : ⊔ 18h *et seq*
25	St. Cu.	St. Cu. : Cu.	St. Cu.	7	5	5	6	10	8	...	...	...	...	...	...	bc & c *a* & *p* : c & o ≡⁰ *n* :
26	A. St. : St. Cuf.	St. Cu. : Cu. Nb.	St. Cu.	10	10	7	4	1	–	...	●	p ●⁰	...	...	...	o ≡⁰, ●, cp ●⁰ *a* : bc & c *p* : b *n* : ⊔ 24h.
27	Nb.	Nb.	St. Cu.	10	10	10	9	7	5	●	●	●	...	...	...	c o ● ≡⁰ q *a* : ● ≡⁰ to c *p* : bc & c ≡⁰ *n* :
28	St. Cu. : Cu. Nb.	St. Cu. : Fr. Cu.	St. Cu.	6	10	2	5	5	8	...	...	...	...	...	...	●² early, bc & op ● *a* : b & bc *p* : c & o, [p ● later *n*
29	—	Ci. St. : A. Cu. : Cu.	Nb.	–	2	9	10	10	10	...	...	...	●⁰	●	...	b ≡⁰ to o *a* : ●⁰ ≡⁰, ● *p* : ● to o ≡⁰ *n* :
30	St. Cu.	Ci. : St. Cu. : Cu.	St. Cu.	10	9	1	1	1	–	...	...	...	...	...	...	o to b *a* : b *p* & *n* :
31	—	Cu.	St. Cu.	–	1	1	1	4	–	...	...	...	...	...	...	b, by *a* & *p* : bc, b ≡⁰ *n* :
Mean Cloud Am'nt				6·6	6·1	5·1	5·2	5·5	4·8							

Day. | 7h | 13h | 18h | 7h | 9h | 13h | 15h | 18h | 21h | 7h | 9h | 13h | 15h | 18h | 21h | Remarks.
Cloud Forms. | Cloud Amount (All Forms). | Weather.

109. Aberdeen. **November, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu.	—	A. St.	4	1	–	–	1	1	...	...	...	...	⌿	...	bc, b a : b≡^{0} p & n :
2	St. Cu.	Cu.	St. Cu.	1	–	1	1	8	10	...	...	...	...	...	●	●^{0} early, b a & p : c≡^{0} to o● ≡^{0} n :
3	St. Cu.	Cu. : Cu. Nb.	Cu. Nb.	5	–	1	2	1	–	...	...	...	...	...	...	oq to b & bcq a : b & bc p●^{0} p : b n :
4	St. Cu. : Cu. Nb.	Ci. : A. Cu. : Cu. Nb.	Ci. St.	5	6	3	2	1	–	...	...	...	...	...	...	b & bc a : bq p : b n :
5	Ci. : Cu. Nb.	Nb.	A. St. : St. Cu.	4	7	9	9	9	–	...	...	●^{0}	...	...	...	cp✱^{0}, ●^{0} a : op●^{0} p : o to b n :
6	St. Cu. : Cu. Nb.	Cu. Nb.	St. Cu.	5	1	1	1	7	10	...	...	...	...	...	✱^{0}	cp●^{0} to b a : b p : cq to o✱^{0}, ✱ n :
7	Ci. : St. Cu.	Ci.	A. St.	8	1	1	8	6	–	...	...	...	...	...	...	✱, ✱ early, cq to b a : b to o≡^{0} p : [bc≡^{0} n:
8	St. Cu. : Nb.	False Ci. : Cu. Nb.	St. Cu.	10	10	1	2	1	–	●^{0}	...	...	...	...	...	●^{0}, o≡^{0} to b a : b, b≡^{0} p & n :
9	St. Cu. : Cu. Nb.	St. Cu. : Cu. Nb.	Cu.	10	10	6	7	1	–	✱^{0}	...	...	...	...	...	b to o✱^{0}, o●^{0}≡^{0} a : bc & c p : b≡^{0} n :
10	—	A. St.	A. St.	–	2	10	8	3	8	...	⌴	...	...	...	...	b⌴ to o≡^{0} a : c & o≡^{0} p : b≡^{0} to c≡^{0} n:
11	St. Cu.	Nb. : Fog	St. Cu.	7	10	10	10	10	10	...	...	●≡	...	...	...	c, o≡^{0} to ●≡ a : ●≡ to o≡^{0} p : o n :
12	A. St. : St. Cu.	Ci.Cu.:St.Cu.:St.Cuf.	A. St. : Fr. St.	10	9	7	8	8	10	...	...	...	...	...	...	o, o to c a : c p : c & o≡^{0} n :
13	Nb.	St. Cu. : Nb.	Nb.	10	10	10	10	10	10	●^{0}	●	●^{0}	●	●^{0}	●	●≡^{0} a : ●^{0}≡^{0} p : ●≡^{0} n :
14	—	St. Cu.	—	–	1	9	10	–	–	...	...	...	✱	...	...	o to b to o a : p✱≡^{0} to b p : b≡^{0} n :
15	Ci. St.-A. St.	Nb.	Nb.	5	10	10	10	10	10	...	≡	●^{0}	●	●	●	bc≡^{0} to o≡, p▲● a : ●, p▲●, ✱q≡^{0} [p : ●q≡^{0} n :
16	St. Cu.	Ci. : St. Cu.	A. St. : St. Cu.	9	3	1	9	8	10	...	...	...	...	...	...	●q to bq a : b to o≡^{0} p : o≡^{0} n :
17	Nb.	Ci. St.	St. Cu.	10	10	1	2	1	–	✱^{0}	✱	...	...	...	...	p●, ✱^{0} & ✱ to b a : b p & n : ⊠ 1 cm.
18	Nb.	A. St.	Nb.	10	10	9	10	10	10	✱	✱	...	●^{0}	●	●	o✱▲, ✱q a : ●q p : o●, ●^{2} later n :
19	St. Cu. : Cu. Nb.	Cu. Nb.	St. Cu. : Nb.	6	5	10	10	9	8	...	...	●	●	●^{0}	...	● early, bc p● a : o●≡^{0} p : ●q, c n :
20	Cu.	Ci.:St.Cu.:Cu.Nb.:Cu	Cu. : Cu. Nb.	2	7	6	7	1	–	...	...	...	...	...	...	●^{0} early, cp●^{0} a : bc & cp▲ p : b n :
21	A. St. : Cu. Nb.	Ci. St. : St. Cu. : Nb.	St. Cu. : St. Cuf.	8	9	9	9	10	9	...	...	●^{0}	...	...	...	o●, c & o a : c & op● p : c & o n :
22	St. Cu.	St. Cu. : Cu. Nb.	St. Cu.	10	9	7	6	4	5	...	...	...	...	...	...	o a : bc & cp●, p▲ p : bc n : ⊓ 23h
23	Ci. St.	St. Cu. : Cu. Nb.	Cu. : Cu. Nb.	6	7	6	10	7	2	⌴	...	...	p✱	...	...	bc⌴≡^{0}, c a : op ✱ p : c, b, cp▲ n :
24	A. St. : Cu. Nb.	Ci. : Cu. Nb.	—	9	2	3	1	–	–	...	...	...	...	...	...	p ✱^{0} early, o to b a : b p : b≡^{0} n :
25	St. Cu.	St. Cu.	St. Cu.	8	9	8	8	8	6	...	...	...	...	...	⌴	c to o≡ a : c≡^{0} p : bc≡^{0}⌴, ≡ later n :
26	A. St.	Ci.	St. Cu.	3	3	2	5	8	8	⌴	≡⌴	...	...	...	...	bc≡^{0}⌴, ≡, b≡^{0} a : bc, c≡^{0} p : c≡^{0} n :
27	St. Cu.	St. Cu. : Fr. St.	St. Cu.	9	6	10	10	10	5	⌴	≡	≡	≡	≡	≡	c≡^{0}⌴, bc≡ to o≡ a : o≡ p : bc ≡ n :
28	Ci. St. : Fr. Nb.	Nb. Cuf.	St.	8	10	10	10	9	10	⊟	...	●^{0}	...	...	...	✱ early, c≡^{0}, o≡, p▲^{0} a : o●^{0} p : [c & op●▲^{0} n : ⊓ 7h
29	Nb.	Ci. : St. Cu.	St. Cu.	10	8	1	1	1	3	p▲^{0}	...	...	...	⌴	⌴	c & o p●▲^{0} a : b, ⌴ p : b⌴≡^{0} n :
30	St. Cu.	Ci.	Ci. St.	1	3	1	3	2	10	⌴	⌴	...	...	⌴	...	b⌴ a : b≡^{0} p : b⌴≡^{0} to o≡^{0}, ● later n:
Mean Cloud Am'nt				6·4	6·0	5·4	6·3	5·5	5·2							

110. Aberdeen. **December, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	A. St. : St. Cu.	Ci.	A. St. : St. Cu.	8	6	3	6	10	10	...	...	...	...	...	...	o to b≡^{0} a : b & bc ≡^{0} p : o≡^{0} n :
2	Nb.	Nb.	St.	10	10	10	10	10	10	●	●	●^{0}	...	...	...	●≡^{0} a : o≡^{0} p & n :
3	St. Cu.	St. Cu.	—	9	2	4	7	–	–	...	...	...	...	...	...	o to b a : c p b≡^{0}⌴ n : [●≡^{0} n :
4	St. Cu.	Ci.-Ci. St. : Cu.	Nb.	9	9	7	10	10	10	⌴	...	...	●^{0}	●	●	o ≡^{0} ⌴, ≡, p●^{0} a : c to o●≡^{0}q p :
5	Ci. St. : St. Cu. : Cu.	St. Cu. : Cu.	Cu.	9	10	7	9	1	–	...	...	...	...	...	...	c & op●≡^{0} a : o to b p : p●^{0}, b n :
6	—	Ci.	—	–	1	1	1	–	9	⌴	⌴	...	...	⌴	...	b⌴, ≡^{0} a & p : b≡^{0} ⌴, o later n :
7	Nb.	Nb.	Nb.	10	10	10	10	10	10	●^{0}	●^{0}	...	●^{0}	●	●	●^{0}≡^{0}q a & p : ●≡^{0}q n :
8	A. St. : St. Cu.	Nb.	A. St.	3	9	10	10	9	–	...	...	●^{0}	●	...	...	b & op● a : ●^{0}≡^{0} q, ✱ p : b n :
9	Cu.	St. Cu.	A. St.	1	1	1	3	10	10	...	...	...	...	...	...	b a & p : b to o●≡^{0} n :
10	St. Cu.	St. Cu.	—	10	10	9	5	–	–	...	...	...	...	...	...	● early, o≡^{0} a : bc, b≡^{0} p & n :
11	St. Cu.	A. St. : St. Cuf.	St.	10	9	10	10	10	10	...	...	...	...	...	...	o≡^{0} a, p & n :
12	St. Cu. : St. Cuf.	St. Cuf.	St.	10	10	10	8	10	10	...	...	...	...	...	...	o≡^{0} a : c & o≡^{0} p : o≡^{0} n :
13	Nb.	Ci.	—	10	2	1	1	–	–	...	...	...	...	...	...	● early, b≡^{0} a, p & n :
14	St. Cu.	A. St. : Nb.	A. Cu.	10	8	10	10	1	–	...	...	●^{0}	●	⊟	...	c & oq, ●^{0}≡^{0} a : ● to b p : b n :
15	Cu. Nb.	Ci. St. : St. Cu.	A. Cu.	1	1	2	3	5	10	...	...	...	...	...	...	bq, p●^{0} a : b & bc p : o, ● later n :
16	St. Cu.	St.	Nb.	4	4	10	10	10	10	...	...	...	...	●^{0}	●^{0}	bc to oq a : oq, ●^{0} p : ●^{0}≡^{0} n :
17	St. Cu.	Ci.Cu. : A.Cu. : St.Cu.	Nb.	5	8	8	10	10	8	...	...	...	...	●^{0}	...	bc≡^{0} a : c, op● p & n :
18	Cu. Nb.	Fr. Cu.	Cu. Nb.	1	1	1	1	5	8	...	...	...	...	...	...	p●^{0} early, bq a & p : ●, cp✱ later n :
19	Cu. Nb.	Cu. Nb.	Cu. Nb.	1	2	8	1	10	8	...	...	p✱^{0}	...	✱^{0}	...	bc p ✱^{0} a & p : c & op ✱^{0}, ✱▲ n :
20	Cu. Nb.	Cu. Nb.	Cu. Nb.	7	9	8	7	4	7	p✱	p✱	p✱^{0}	p✱^{0}	...	...	c & op✱ a, p & n : ⊠ 10mm. [⊠ 15mm.
21	St. Cu. : Nb.	St. Cu.	St. Cu.	8	9	10	10	10	10	p✱^{0}	...	...	...	...	✱	cp✱^{0}, o a : o p : ✱ n : ⊠ 10 mm.
22	Nb.	Cu. Nb.	St. Cu.	10	8	1	1	2	8	✱^{0}	...	...	...	...	...	✱, bq a : b & op● p & n : ⊠ 40 mm.
23	Cu. Nb.	Cu. Nb.	—	8	6	2	1	–	6	...	p●^{0}	...	...	...	...	bc & c p●^{0}q a : b & bc p & n : ⊠ 10mm.
24	Cu. Nb.	Cu.	Cu.	1	4	1	3	1	–	...	...	...	...	...	...	bc p ✱^{0} a : b & bc p & n :
25	Ci. St.	A. St.	A. St. : St.	1	6	10	10	10	10	⊟	...	...	≡	...	✱^{0}	p✱ early, bc o≡^{0} a : o≡ p : o✱^{0}≡^{0} n : [⊠ 5 mm.
26	St. Cu. : Cu. Nb.	A. St.	A. St. : St. Cu.	8	5	10	10	10	10	...	...	...	...	≡	✱	✱ early, bc & o≡^{0} a : o≡^{0} to ≡ p : [≡ to ✱≡^{0} n : ⊠ 20 mm.
27	St. Cu. : St.	St. Cu. : St. Cuf.	Nb.	10	10	10	10	10	10	...	≡	...	...	●	...	p✱ early, o≡ a : o≡^{0}, ● p : ●, o≡^{0} n : [⊠ 15 mm.
28	Nb.	St. Cu.	St. Cu.	10	10	1	3	3	–	●	...	...	...	...	⌴	● to b a : b p : b⌴, p✱^{0} n :
29	A. Cu.	A. Cu.-St. Cu.	St. Cu.	1	2	9	10	10	10	⌴	⌴	≡⌴	...	...	●^{0}	b⌴≡^{0} a : o≡ p : o≡^{0}, ●^{0} to ● n :
30	Nb.	Nb.	Nb.	10	10	10	10	10	10	●	●^{0}	●	●	●	●^{0}	● & ●^{0}, q a, p & n :
31	St.	Nb. : Fog	Nb.	10	10	10	10	10	10	...	≡	●^{0}≡	≡	●^{0}	...	●^{0} to ≡ a & p : ●^{0}≡^{0} n :
Mean Cloud Am'nt				6·6	6·5	6·6	6·8	6·5	6·9							

Day. | 7h | 13h | 18h | Cloud Forms. | 7h | 9h | 13h | 15h | 18h | 21h | Cloud Amount (All Forms.) | 7h | 9h | 13h | 15h | 18h | 21h | Weather. | Remarks.

M.O. 279
(Eskdalemuir.)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1923

Comprising the results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

ESKDALEMUIR

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METEOROLOGICAL COMMITTEE

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1926

ESKDALEMUIR OBSERVATORY.

Latitude	55° 19 ′ N.
Longitude	3° 12 ′ W.
G.M.T. of Local Mean Noon	12h 13m.

Heights in metres above Sea-Level.

Barometer	237·3
Rain-gauge	242·0
Dines Tube Anemograph	250

Heights in metres above ground.

Thermometer Bulbs	0·9
Sunshine Recorder	1·5
Dines Tube Anemograph	15

INTRODUCTION.

SITE.

Eskdalemuir Observatory, some 3½ miles (5½ kilometres) north-north-west of Eskdalemuir Parish Church in the county of Dumfries-shire, is situated on a rising shoulder of moorland which is bounded on the east by the road which leads north to Ettrick and Selkirk, on the west by the small Davington Burn, and at the southern extremity by the small hamlet of Davington.

The hillside in the immediate vicinity of the Observatory slopes generally from the north-west to south-east. The mean height above sea level of the Observatory site is about 800 feet (244 metres). Cassock Hill, slightly more than a mile distant to the north-west is 1,205 feet (367 metres), while the bench mark at Davington School ¼ mile (0·4 km.) to south-east is 699 feet (213 metres) above M.S.L. To the east the ground slopes fairly rapidly to the valley bottom, the level of the Ettrick road at a point about ¼ mile (0·4 km.) east of the Underground Magnet House being 682 feet (208 metres). The River White Esk is rather less than ½ mile (0·8 km.) to the east. Immediately beyond the river, and almost due east of the Observatory, Dumfedling Hill rises to a height of nearly 1,200 feet (366 metres) above M.S.L. Some 4 or 5 miles (8 km.) to the north is a high ridge, following approximately the boundary between Dumfries-shire and Selkirkshire, the highest point of which is Ettrick Pen (north-north-west) 2,200 feet (670 metres) above M.S.L. Rather more than half a mile (0·8 km.) to the west, and beyond Davington Burn, the ground rises to 1,040 feet (317 m.), and reaches nearly 1,200 feet (366 m.) half a mile (0·8 km.) further on. To the south and south-south-east the Observatory commands a view of the White Esk valley as far as Hartmanor, 4 miles (6½ km.) distant, and beyond that the upper slope of Cauldkine Hill, about 10 miles (16 km.) distant, is visible. The surrounding country is bare and wild and there are but few trees to relieve the monotony of the grass covered hills and moorland.

Within the Observatory grounds the soil is peaty and in many places is more or less boggy at all seasons. Some two feet, or less, below the surface a clay-like substance containing soft rock is encountered. The local geological formation is described as " rock of the Tarannon Llandovery series traversed by igneous dykes."

The selection, in the early years of the century, of this isolated site for the Observatory was dictated by the desire to reduce to a minimum the possibility of artificial magnetic disturbance due to electric traction and power circuits, and in this connection it may be noted that there is no town, industrial centre, or point of railway within a radius of 9 miles (14½ km.) from the Observatory.

The general features of the immediate surroundings and the lay-out of the buildings may be seen from the accompanying photographs, plan and map.

Although the Observatory as such has been in operation since 1909, no particulars of the general lay-out have been published hitherto. The following brief descriptive notes serve as an index to the accompanying site plan (Fig. 11).

There is a narrow belt of trees—chiefly conifers, with a few birch and rowans—around the greater part of the Observatory enclosure. These trees were planted shortly after the building of the Observatory and subsequently. They are largest to the south, but few of them exceed 20 feet (6 metres) in height.

A is a water reservoir, from which water is distributed to the various buildings. The reservoir is fed from a spring on Cassock Hill by means of a pipe line.

B, B are two similar double-walled wooden huts in which absolute observations of the magnetic elements are made. The space between the inner and outer wooden shells is packed with non-conducting material. Lighting is provided by windows in the north sides and by skylights.

C is the underground magnetograph house, constructed throughout of non-magnetic material. Within the outer shell of stone and concrete, and separated therefrom and from each other by corridors and vaultings, are two similar rooms of which the approximate internal dimensions are :—Length, 25 feet (7·6 m.) ; width, 20 feet (6·1 m.) ; height, 10 feet (3·0 m.). The ceilings of the rooms are just below the undisturbed level of the surrounding ground. The roof portion of the outer containing shell is covered with a thick layer of earth, thus forming the mound shown in Fig. 10. The super-structure which is visible in the photograph is part of the ventilation system. The east room contains the standard magnetographs and the photographic barometer. Other magnetographs have been set up from time to time in the west room. Acetylene gas is used as illuminant.

D is the Beckley self-recording rain-gauge, and E the standard 8 inch rain-gauge ; each is surrounded by a low wall or dyke of turf. F is an auxiliary 8 inch rain-gauge but is not artificially screened. G is a snow-gauge of the Hellmann pattern, made by Fuess. It was not installed in the position shown until 1925.

H is the Campbell-Stokes sunshine recorder.

J is a concrete pillar, 4 feet high, on which a pilot-balloon theodolite may be mounted. The pillar is surrounded by a wooden seat of convenient dimensions.

K is the pit from which observations of the electric potential at 1 metre above the surface of the ground are made. The dimensions of the brick-lined pit are 4 feet (1·2 m.) by 3 feet (0·9 m.) by 3 feet. The lid which consists of a fixed and a hinged portion is covered with zinc, is provided with a small glass window, and is flush with the level of the approximately circular lawn indicated on the plan by the dotted circle.

L is a stone pillar formerly used as a support for an Ebert ion-aspiration apparatus but latterly to support a Besson Comb nephoscope.

M is a large louvred hut which contains the standard dry and wet bulb thermometers, the photographic and pen thermographs, and maximum and minimum thermometers. The hut, of which the general features may be seen on reference to Fig. 10, is painted white inside and out. Until recently, when electric light was introduced, acetylene gas was the illuminant for the photographic thermograph

N marks the position in which the grass minimum thermometer is exposed between 18h and 9h G.M.T.

O is a screen in which is exposed a hair hygrograph.

P is the main building, two-storied, and containing offices, workshop, laboratory, seismograph and photographic rooms. Q indicates the position of the mast of the Dines tube anemograph and R the position of the jet of the Kelvin water-dropper electrograph.

S, T are residences.

U is the acetylene gas generating house.

V is a block containing the garage, the electric lighting generating set and the accumulator batteries. The electric lighting equipment, which was installed in 1924, provides for continuous illumination for photographic recording instruments in M and P and for occasional general lighting in P, U and V. The voltage on the lighting circuits is restricted to 8 volts. Connection between the battery room in V and buildings M and P is by underground cable which is insulated, lead covered, and armoured. All precautions have been taken to guard against leakage of current to earth.

METEOROLOGY.

The elements dealt with in the following tables are :—Atmospheric pressure, air temperature, humidity, rainfall, sunshine, solar radiation, wind speed and direction and minimum temperature on the grass. There is also a diary of cloud and weather.

Notes on Instruments.

Brief descriptions of the recording instruments and of the methods of tabulating the records with notes on the information contained in the Tables are given in the General Introduction to the Tables. The following particulars, which refer specially to Eskdalemuir, are to be regarded as amplifying the information contained therein. References to full accounts of other instruments used at Eskdalemuir appear below.

Pressure.—The standard mercury barometer, Kew pattern (M.O. 1320), is situated in a north window embrasure on the ground floor of the main building.

Towards the end of 1922 the cistern of the barometer of the photographic barograph was broken, and the instrument was not available again until early in 1924. Throughout 1923, therefore, the records obtained from a Dines float barograph were utilised.

The particular float barograph (M.O. 1004) used is one of the instruments designed by Mr. W. H. Dines, F.R.S., in 1912. So far as is known a description of this type of barograph has not been published hitherto; but the following brief account, in conjunction with the accompanying Fig. 14, may serve to indicate sufficiently well, for the present purpose, the general features of the instrument.

The float A, in the shape of a small inverted bell-jar, rests on the mercury in the lower and open limb of a syphon barometer, a number of small steel balls forming a bearing between the glass float and the walls of the cistern. From a small cross piece at C fixed near the upper end of the vertical steel rod B, which is fixed to the float, two fine platinum wires pass partly around and are attached to the central portion D of an aluminium pulley wheel. The axle of the pulley wheel is supported at two points on two bevelled rollers and the tapered ends of the axle pass through two narrow vertical slots in the vertical portion of a brass carriage. A bifilar suspension of fine platinum wire attached to the outer rim of the pulley wheel carries a long glass rod E, to which is attached the recording pen F. The movements of the float are thus transmitted to the pen, which records on a suitably ruled chart wrapped round a clockwork drum H. The diameter of the outer rim of the pulley is four times that of the inner portion, so that fourfold magnification of the float displacements is secured. Base lines are obtained on the chart by means of two fixed pens G. The upper and lower cylindrical cisterns are large in diameter compared with the remainder of the tube, so that capillary effects are reduced to a minimum. Compensation for temperature changes is secured by adjusting the quantity of air within the float A. The requisite quantity of air under standard conditions may be determined from knowledge of the dimensions of the instrument, due allowance being made for the effect of temperature changes on the transmission system (steel rod, suspension wires and pulley wheel). A small ivory pointer J is adjusted in position so that its tip indicates the level at which the mercury should stand in the float when the appropriate quantity of air is contained in the latter.

FIG. 10. GENERAL VIEW (NORTH-WEST TO NORTH-EAST) FROM MAIN OBSERVATORY BUILDING.

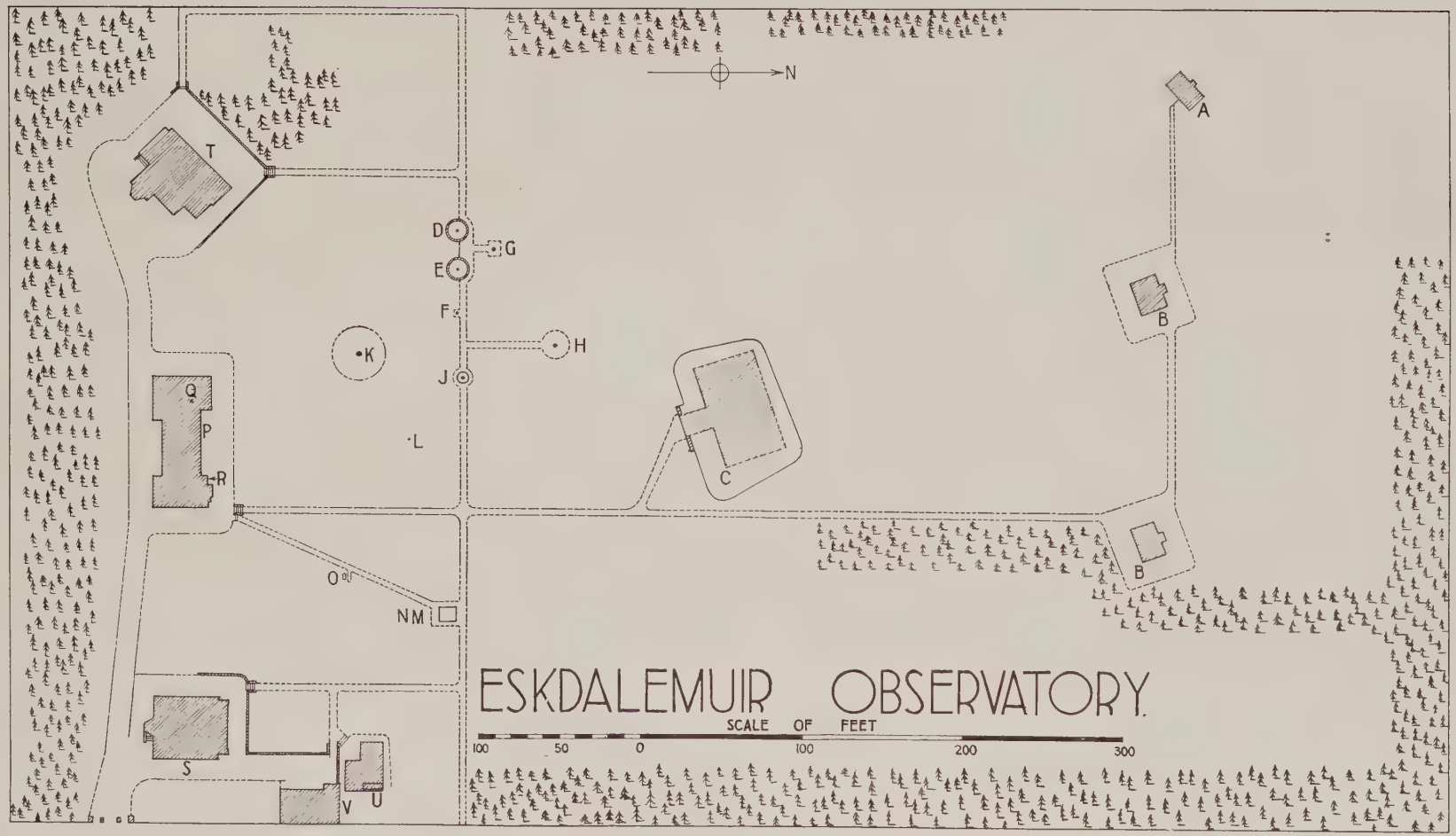

FIG. 11. SITE PLAN (for explanation *see* page 93).

[*To face p.* 94.

FIG. 12. ESKDALEMUIR OBSERVATORY.—GENERAL VIEW FROM THE SOUTH-WEST.

The Office Block is the middle one of the three buildings in line; the Superintendent's house is on the left, the Assistants' quarters on the right. The two huts in the background are the wooden magnetic huts for "absolute" observations. In front of the right-hand hut is seen the mound of the underground magnetic chamber, with the stonework of the top of the porch.

FIG. 13. VIEW FROM WEST MAGNETIC HUT, showing proximity of Superintendent's House to the Anemograph on Main Observatory Building.

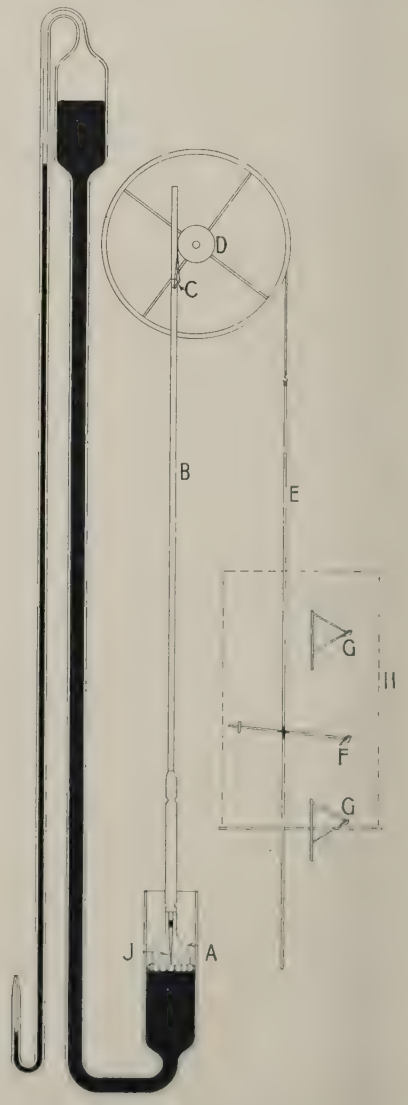

FIG. 14. DINES FLOAT BAROGRAPH (for explanation *see* page 94).

To face p. 95.

The scale of the records of the Dines float barograph is very approximately linear. From determinations made in December, 1922, it was found that for the Eskdalemuir instrument 1 millimetre on the paper = ·632 millibar. The time scale of the record is 15·2 millimetres on the paper = 1 hour.

Unfortunately the behaviour of the instrument was not entirely satisfactory during 1923. On many occasions there was evidence of sticking. This was probably due to the corrosion of certain of the moving parts, the instrument having been exposed to the damp atmosphere in the Underground Magnet House since September, 1921. In the continued absence of the photographic barograph it was considered inadvisable entirely to dismantle the float barograph for cleaning. Consequently throughout 1923 each day's record was treated on its merits and tabulated with reference to the eye readings of the standard barometer at 7h, 9h, 13h, 15h, 18h, and 21h. On occasions of defective record hourly values were obtained from the weekly records of a Richard barograph, pen recording, situated in the main building.

Temperature.—The photographic thermograph and the standard mercurial thermometers, dry bulb (M.O. 19123) and wet bulb (M.O. 1695), are situated in a wooden hut, provided with louvred sides and double roof, which is some 200 feet (60 m.) north-north-east of the Main Building (see Fig. 10). The installation is similar to that described on p. 12 except that a special enclosure is provided inside the hut to accommodate the optical and photographic arrangements.

The scale values of the thermograph records are 1° absolute = 2·79 millimetres and 2·44 millimetres on the paper for the dry and wet bulb records respectively, while the time scale is 1 hour = 9·20 millimetres.

As auxiliary recorders of temperature there are, in the same louvred hut :—

(*a*) A psychrograph, pen recording, which is in effect a bimetallic spiral thermograph with two spirals, one of which is kept dry and the other wet. The records are of 24 hours duration.

(*b*) A bimetallic spiral thermograph (Short and Mason, M.O. 184), of which the record is changed every week. It is described in the *Meteorological Observer's Handbook.*

Humidity.—In addition to the dry and wet bulb thermograph described above there is a Richard hair hygrograph (M.O. 59) which is situated in a Stevenson screen about midway between the louvred hut and the Main Building.

As is stated on p. 16, the records from this instrument are utilised when the wet bulb reading does not exceed 273a. On the records obtained in 1923 a change of 10 per cent. in relative humidity is represented by about 0·8 centimetre, the time scale being 1 hour = 3 millimetres.

Rainfall.—The recording instrument is a Beckley self-registering rain-gauge (No. 4), which is described on p. 12. The time scale of the record is 1 hour = 9·24 millimetres on the paper and the rain scale has a magnification of 3·35. The instrument has been in use at Eskdalemuir since 1908 and was originally installed at Fort William in July, 1890.

The conical part of the gauge funnel is surrounded by a cylindrical copper casing lined with asbestos on the inner side and of diameter equal to that of the funnel, viz. 11·27 inches (28·6 cm.). Within the enclosure so formed is a gas jet, and a flame of suitable dimensions is maintained, as circumstances dictate, to melt snow which may be collected.

The gauge is surrounded by a circular turf wall or dyke, the top of which is on a level with the rim of the gauge ; the external and internal diameters of the dyke being 11·5 feet (3·5 m.) and 7 feet (2 m.) respectively.

A standard 8 inch (20·3 cm.) rain-gauge (M.O. 391) is situated some 24·5 feet (7·5 m.) to the east of the Beckley gauge and is surrounded by a turf dyke of similar dimensions. Readings of amounts of rain received in the 8 inch gauge are made at 7h and 18h G.M.T. It is customary to adjust the indications of the recording gauge to agree with the readings of the standard check gauge.

Sunshine.—The record of sunshine is obtained from a Campbell-Stokes recorder (M.O. 99) described on p. 13.

The recorder is fixed on a stone pillar and has a reasonably free exposure, the chief obstacles being hills to east and west. The elevation of hills between 70° and 110° east of south varies from 2·5° to 5°, while between 50° and 135° west of south the high ground varies in elevation from 3° to 4·4°, being generally about 3·5°. As sunshine can be recorded when the sun is 3° above the horizon only in the most favourable circumstances, it appears that the loss of record occasioned by the neighbouring high ground is of relatively small extent and is confined mainly to a possible defect of record at the beginning of the day during a few weeks centred about the equinoxes.

Solar Radiation.—Measurements of the intensity of radiation received from the sun by a surface which is normal to the line drawn from the instrument to the sun are effected by means of an Ångström compensating pyrheliometer* (No. 116). The intensity of radiation is expressed in milliwatts per square centimetre (1 mw. per sq. cm. = 0·01435 gramme calorie per sq. cm. per minute). In addition the value is given of the function (p/p_0) sec Z, in which p is the barometric pressure at the observatory in millibars at the time of the observation, p_0 is 1000 millibars, and Z is the zenith distance of the sun. This affords a measure of the mass of atmosphere which the solar radiation has had to penetrate before reaching the earth. Entries in the column headed "Sky" are intended to show the presence or absence of haze, mist or cloud in the direct path of the solar radiation recorded.

Wind.—A Dines tube anemograph (M.O. 1015), furnished with direction recorder, is situated in the Main Building. The vane-head is 15 metres above a tangent plane to the slope of the hillside and approximately 7 metres above the general level of the roof of the building. A description of the speed recorder will be found on p. 14.

The records of speed and direction are obtained on the same chart. The recorder in use throughout 1923 was provided with a Munro-Rooker single-pen direction recorder. In this arrangement the lower end of a long vertical rod, rigidly attached at its upper end to the freely moving vane, is connected to the vertical axle of a short solid brass cylinder which consequently rotates with the vane. In the curved surface of the cylinder is cut a helical channel in which runs a short roller projecting from the side of a pivoted pen arm. The helix forms a nearly complete turn, and the upper and lower ends are connected by a steep cam. As the recording pen reaches the upper North line on the chart it is rapidly forced by the connecting cam to the bottom North line, or conversely if the wind direction is changing from east of north to west of north. For some years prior to the introduction, in June, 1922, of the Munro-Rooker recorder a Dines twin-pen recorder was in use.

Apart from the surrounding hills, the exposure of the vane-head is tolerably free in all directions save to the west where at a distance of some 130 feet (40m.) is a rather large building (see Fig. 13) of which the height is somewhat greater than that of the Main Building. With winds from nearly due west the direction records show markedly greater turbulence than with other winds.

Minimum Temperature on the Grass.—The thermometer (M.O. 13) used for readings of grass minimum temperature is of the spirit type with index; and when exposed, between 18h and 7h G.M.T., is supported at a height of one or two inches (4 cm.) above close-cropped grass a few metres from the louvred thermometer hut.

Notes on Results.

Diurnal Variation of Atmospheric Pressure.—The values of the mean diurnal inequalities for the several months are given in Table 124, p. 127. The inequalities for February and August are somewhat irregular and in each case the range is smaller

* For description see *The Observer's Handbook*, 1921, Ed., Meteorological Office, London; *Astrophysical Journal*, Vol. IX, 1899; *Actes de la société royale des Sciences d'Upsal*, 1893; also *Geophysical Memoirs*, No. 21 (1923), Meteorological Office, London.

than usual. In September, October and December the early morning minimum is very prominent in comparison with the afternoon minimum. The inequalities for April, May, July, August, September, October and November are alike in that the principal maximum occurs in the late evening and the principal minimum in the early morning. The inequality for March shows considerable regularity and that for April approximates closely to the normal type for that month.

The results of the harmonic analysis of the monthly and seasonal mean diurnal inequalities for 1923 are given in the accompanying table, along with the corresponding results for the mean inequalities for the period 1911-20. The data for the latter period have been discussed recently by Dr. A. Crichton Mitchell.* In computing the Fourier coefficients for the individual months of 1923 the unit employed was ·01 mb.; while for the seasons and year the inequalities were taken to ·001 mb. and the values of the amplitudes are also given to three decimal places.

As is apparently usual, the 24-hour term shows considerable irregularity from month to month both in amplitude and phase, although the variation in phase is comparatively small from September to December. Apart from the January value c_2 is largest in the equinoctial months, as in the "normals" for 1911–1920. The predominance of c_2 in March, 1923, is very marked. The amplitudes of the 8-hour term seem to be rather greater than usual and the transition in phase from winter to summer is less abrupt than in 1922.

HARMONIC COEFFICIENTS OF THE DIURNAL INEQUALITY OF ATMOSPHERIC PRESSURE—ESKDALEMUIR.

Values of c_n, α_n in the series $\Sigma c_n \sin(15nt+\alpha_n)$, t being reckoned in hours from midnight, G.M.T.

Month and Season.	c_1		α_1		c_2		α_2		c_3		α_3		c_4		α_4	
	1923.	1911–20.	1923.	1911–20.	1923.	1911–20.	1923.	1911–20.	1923.	1911–20.	1923.	1911–20.	1923.	1911–20.	1923.	1911–20.
	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°	mb.	mb.	°	°
Jan... ..	·21	·094	159	343·2	·35	·235	139	145·2	·20	·125	354	335·7	·05	·046	231	201·1
Feb. ..	·23	·118	107	211·9	·07	·273	151	131·7	·09	·083	334	331·6	·03	·042	103	54·9
Mar... ..	·02	·128	265	182·1	·44	·304	143	138·9	·08	·053	26	325·4	·08	·051	15	11·7
Apr... ..	·28	·205	117	89·1	·34	·299	134	148·4	·05	·022	153	146·7	·04	·045	342	342·9
May.. ..	·07	·225	251	49·5	·23	·270	138	141·0	·09	·075	169	150·5	·04	·035	285	317·3
June ..	·24	·152	353	50·7	·18	·234	133	139·7	·07	·084	146	151·0	·04	·018	292	312·9
July.. ..	·09	·171	164	66·2	·23	·211	141	134·8	·08	·077	143	146·2	·01	·023	4	287·2
Aug. ..	·06	·114	156	111·4	·11	·239	117	141·3	·06	·057	122	147·6	·05	·047	311	318·0
Sept. ..	·34	·121	189	84·5	·29	·313	141	145·2	·04	·012	57	101·1	·04	·050	343	331·9
Oct. ..	·63	·110	173	72·8	·35	·315	125	153·1	·10	·060	5	358·6	·02	·041	19	20·1
Nov. ..	·22	·125	190	180·3	·12	·242	151	161·7	·11	·101	18	359·6	·02	·015	167	133·4
Dec... ..	·43	·137	197	93·9	·21	·213	117	140·5	·12	·124	345	354·6	·05	·067	191	200·0
Year ..	·162	·085	171	87·6	·240	·260	135	143·7	·037	·020	22	32·1	·015	·016	318	329·1
Winter ..	·227	·038	172	162·2	·183	·236	136	144·5	·126	·106	353	345·9	·027	·023	193	176·3
Equinox ..	·271	·108	167	100·7	·350	·306	136	146·4	·087	·021	32	354·8	·045	·044	2	356·1
Summer ..	·016	·153	304	64·0	·188	·238	134	139·4	·071	·074	141	148·9	·031	·030	300	311·5

NOTE.—*Winter* comprises the four months January, February, November, December
Equinox the months March, April, September, October.
Summer the months May to August.

ATMOSPHERIC ELECTRICITY.

Notes on the Instruments.

Autographic records of atmospheric electrical potential gradient were obtained by means of an electrograph of the Kelvin water-dropper type. In all essential details the electrograph arrangements, the method of making scale and insulation tests and the method of reducing the autographic curve readings to potential gradient in the open were as described in the *Observatories' Year Book*, 1922, pp. 75–76.

* "On the Diurnal Variation of Atmospheric Pressure at Eskdalemuir and Castle O'er, Dumfriesshire," by A. Crichton Mitchell, D.Sc., *Quarterly Journal of the Royal Meteorological Society*, Vol. L., No. 210, April, 1924.

As in former years the Wulf quartz-thread electrometer, No. 3040, was used in the determination of scale values of the photographic records and in the absolute observation of potential in the open.

By reason of adjustments to the Dolezalek electrometer of the electrograph system, chiefly between the middle of May and the beginning of August, 1923, there were various changes in the scale value of the electrograph records. From January to April the scale value was from 5 to 6 volts per millimetre, while from August to December it was about 9·35 volts per millimetre.

The values of the factor used in converting the potential recorded to the potential at 1 metre above the surface of the ground in the open are given in Table 208. The monthly factors ranged from 6·87 in March to 6·37 in August. The values from January to May were appreciably higher than the values in the months preceding or following that period. No intentional changes in the jet exposure or in the method of determination of potential in the open are known to have been introduced.

Notes on the Tables and Results.

Table 208 contains the values of electrical potential gradient at 3h, 9h, 15h and 21h G.M.T. daily, the value for a given hour representing the mean for the period of 60 minutes centring at that hour. The reduction factors used in converting the potential at the water jet to potential gradient, in volts per metre, in the open are also given.

As far as possible an electrical character figure is assigned to each day and values of potential gradient are assigned for 3h, 9h, 15h and 21h G.M.T. on all days, while values for all hours are assigned on days classified as 0*a*, 1*a* or 2*a*. The character figures are given in Table 210A, the significance of these symbols being as follows :—

0, denotes a day during which from midnight to midnight no negative potential was recorded.

1, denotes one or more excursions of limited duration to the negative side of the scale during the same period.

2, denotes negative potential extending in the aggregate over three hours or more during the same period.

a, denotes that within the 25 periods of 60 minutes for which an estimate of the mean potential gradient has to be made in the process of tabulation there was in no case a range of potential gradient in the open exceeding 1,000 volts.

b, denotes that, during the same period, a range of 1,000 volts or more was reached in one hour at least but in fewer than six hours.

c, denotes that, during the same period, a range of 1,000 volts or more was reached in at least six hours.

In Table 209 are given, for 0*a* days, (1) the monthly, seasonal and annual inequalities, (2) particulars of the number of days and of the non-cyclic changes and (3) the corresponding mean values of potential gradient. The inequalities or the mean values for the year and seasons are the means of the inequalities or means, respectively, for the appropriate months.

It should be noted that, in these tables, *Winter* denotes the four months January, February, November, December; *Equinox* the four months March, April, September, October; and *Summer* the four months May to August.

Corresponding data for 1*a* and 2*a* days combined appear in Table 210.

Contrary to the practice followed in former years the mean values of potential gradient given in Table 208 are of two kinds, viz., (*a*) the means of all the positive values of potential in the column and (*b*) the algebraic mean derived from all days on which all four hours were represented. The mean values for the month as derived from the (*a*) and (*b*) values respectively, are shown in the last line. It is to be expected that the mean derived from the values at 3h, 9h, 15h and 21h, on a sufficiently large number of days will approximate closely to the mean value derived from the 24-hourly

values of each of the days. As might have been anticipated the (*a*) mean exceeds the (*b*) mean in each month of the year. Moreover, in each month, with the exception of December, the mean for 0*a* days exceeds the corresponding (*a*) mean. For the whole year the mean from 0*a* days was 278 v/m, that from positive values at 3h, 9h, 15h, and 21h was 235 v/m, while that from the complete days of Table 194 was 159 v/m. It may be noted that the effect of high negative potential on certain days in February was to make the (*b*) mean at 9h and 15h negative. On February 10th the potential was mainly negative from 1h 30m to shortly after 15h, and the mean value from 7h to 10h was approximately −2200 v/m.

The values of mean potential gradient on 0*a* days for the year, winter and summer, are rather higher than the corresponding values for 1922. The value, 299 v/m, for July is unusually high, but there were only five 0*a* days and the mean appears to be greatly influenced by the high potential recorded during several hours on the 4th, 8th and 12th, when fog or cloud at ground level prevailed.

The mean diurnal inequalities on 0*a* days for the year and seasons are fairly close to the respective normal types, but there are rather more irregularities than in 1922. The range of the mean diurnal inequality for winter is greater than usual, being largely due to the high range of the November inequality. In the mean inequality for equinoctial months the secondary maximum near 7h is somewhat more prominent than usual, the effect being attributable to the March and September contributions. In each of the four summer months of 1923 the principal minimum occurs in the afternoon, but in May and July the early forenoon maximum is in excess of the evening maximum.

TERRESTRIAL MAGNETISM.

Notes on the Instruments.*

The magnetographs in use are situated in the east chamber of the Underground Magnet House and are arranged so as to record changes of the three geographical components of terrestrial magnetic force, viz., the north component, N (or + X), west component, W (or − Y), and the vertically downward component, V (or + Z).

The diurnal range of temperature in the east chamber of the magnet house is normally negligible. Temperature is ascertained daily at 9h 30m by the thermometers within the instrument cases. The daily values appear in Tables 214, 218, etc.; the monthly means of the readings so obtained during 1923, together with the mean values for the years 1911–22, were as follows:—

Excess of Mean Temperature above 280a.

Month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Mean 1923	4·1	3·9	3·8	3·6	3·7	4·1	5·8	7·3	7·7	7·6	7·1	5·7
Mean 1911–22	3·4	2·6	2·4	2·2	2·5	3·4	4·4	5·5	6·2	6·1	5·4	4·4

The annual range of temperature during 1923 was 4·3° C., the mean range for the previous twelve years being also 4·3° C.

The north and west component instruments are of the bifilar type, by Adie. In each of these instruments the torsion of a bifilar suspension, of fine tungsten-steel wire, is utilised to bring the magnet into an azimuth approximately perpendicular to the direction of the component of which the changes are recorded. The instrument for the vertical component is a multiple magnet balance designed by the late

* For more detailed accounts of the magnetographs, absolute instruments and normal methods of procedure, see *The Observatories' Year Book*, 1922, pp. 77 *et seq.*

Professor W. Watson, F.R.S. It was necessary to adjust this instrument on only one occasion during 1923, viz., December 21st. On that date the small magnet on the pillar which supports the balance was lowered slightly, the base line value on the record being thereby decreased by about 110γ.

As a result of an adjustment made to the west instrument on August 30th, the magnet was displaced in azimuth between 9° and 10° east of north. Most unfortunately this was not detected until the end of 1924 when it was found that the suspended magnet was inclined at 9°·7 east of north. Thus, from 1923 August 30th until the end of 1924 the records obtained from the west magnetograph were not simply of changes in W but of changes in the component W′, which is given by $W' = W \cos \alpha + N \sin \alpha$; α being the inclination, measured from north through east, of the magnet to the geographical meridian. The gradual easterly drift of the magnet amounted to about 15′ between September, 1923, and December, 1924, and therefore the value of α for the period August 30th to December 31st, 1923, has been taken as 9°·5. The methods which have been adopted to allow for the consequences of this error in azimuth of the west magnet are described at the end of the present section.

The constants of the magnetographs were as follows :—

	North.	West.	Vertical.
Time Scale .. .. 1 hour =	15·6 mm.	15·6 mm.	15·6 mm.
Time marks	Every two hours, beginning at exact hour.		
Error of time mark	Not more than ± 1 min.		
Period of vibration, seconds	14·0	11·0	7 4
Logarithmic decrement*	·369	·639	—
Angular equivalent of 1 mm. on paper, radians ..	·00032	·00032	·0003
Twist of bifilar suspension	35°	90°±5°	—
Ratio $\frac{\text{length of bifilar suspension}}{\text{mean breadth of suspension}}$	51	66	—
Temperature coefficient, per 1° C.	−9 γ	−2 γ	+26 γ
Direction of marked pole	West.	North.	—
Azimuth of magnet	270° 8′	1° 10′	346°

* Log. decr. $= \text{Log}_e a_n - \log_e a_{n+1}$; where a_n, a_{n+1} are the amplitudes of two successive swings on the same side of the zero position.

In the above table the constants for the west magnet refer to the period prior to August 30th. After that date, as has been stated, the azimuth of the magnet was approximately 9° 30′, but there were no determinations of period, logarithmic decrement or suspension constants.

The scale values of the magnetographs were determined at intervals of two weeks. In the following table are given the scale values, obtained by overlapping means, which were employed in reducing the curve readings. For the west instrument the scale values for the period subsequent to August 30th are the scale values of the component W′ (see above).

SCALE VALUES OF THE MAGNETOGRAPHS (γ per mm. on the paper).

Month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
North Instrument ..	4·87	4·87	4·87	4·87	4·87	4·87	4·85	4·83	4·83	4·84	4·84	4·86
West Instrument ..	5·33	5·33	5·34	5·33	5·34	5·33	5·32	5·30† / 5·24	5·24	5·25	5·24	5·25
Vertical Instrument ..	3·98	3·94	3·93	3·93	3·93	3·93	3·93	3·94	3·94	3·95	3·94	3·92‡ / 4·18

† 5·30 to Aug. 30d 14h; 5·24 from Aug. 30d. 18h to Aug. 31d 24h.
‡ 3·92 to Dec. 21d 11h; 4·18 for remainder.

Absolute observations of horizontal force, declination and inclination were taken, usually twice weekly, in the east magnetic hut. Declination and horizontal intensity were determined by means of the Kew pattern unifilar magnetometer, Elliott No. 60 (collimator magnet 60a and mirror magnet 60c), placed on Pier No. 5, and determinations of inclination (dip) were made with the Schulze Inductor, No. 103, placed on Pier No. 6. In the deflection experiment of the horizontal intensity determination observations were made for three distances of the collimator magnet, viz. 25, 30, 35 cms. The value of the correction, $\log_{10}\left(1+\frac{P}{25^2}+\frac{Q}{25^4}\right)$, used in the reduction of the horizontal intensity observations was obtained for a given month by taking the mean derived from the observations obtained during the seven months including the given month as fourth of the seven. For the year 1923 the values of this correction were as follows :—

January, ·00514; February, ·00503; March, ·00488; April, ·00494; May, ·00486; June, ·00496; July, ·00514; August, ·00515; September, ·00523; October, ·00537; November, ·00536; December, ·00541.

The base line values of the magnetograph records are deduced from the results of the absolute observations, any of the latter obtained during times of considerable disturbance being excluded. The base line values finally adopted are obtained from a curve drawn smoothly through points given by the deduced values.

The results of the absolute determinations of D, I and H are summarised in the subjoined table and the values of *m*, the moment of collimator magnet 60a, are also given. For each set of absolute observations are shown the deduced base line values of N, W and V and, in brackets, the adopted base line values. Thus, the entry 15823 (18) signifies :—deduced base line value 15823, adopted base line value 15818. The adopted values were obtained as described in the foregoing, and therefore the base line values corresponding to dates between those given in the table may be obtained by interpolation. As has been mentioned above, the "west" magnet recorded the component W′ from August 30d 18h and in the table below the base line values of W′ are given from August 31st. On December 21st, between 11h and 12h, a discontinuity in the base line value of V was introduced, the base line value being decreased by 112γ.

ABSOLUTE DETERMINATIONS OF D, I AND H, AND BASE LINE VALUES OF N, W AND V.

Eskdalemuir. **1923.**

Date.	Declination.		Inclination.		Horizontal Force.			Base Line Values (deduced and adopted).		
	Mean Time.	D.	Mean Time.	I.	Mean Time.	H.	*m*.	North.	West.	Vertical.
	h m	° ′ ″	h m	° ′	h m	γ		15,000 γ +	4,000 γ +	44,000 γ +
Jan. 2	14 9	16 22 54	12 53	69 38·7	11 21	16671	906·5	813 (16)	643 (44)	851 (55)
6	14 3	16 21 20	12 25	69 37·9	10 51	16680	907·1	821 (15)	641 (43)	866 (56)
9	14 13	16 22 33	15 32	69 38·9	11 6	16671	906·8	813 (14)	645 (43)	867 (57)
12	14 35	16 21 15	12 29	69 38·7	—	—	—	—	—	—
16	14 23	16 19 28	11 15	69 39·2	11 53	16680	907·2	822 (14)	639 (42)	882 (61)
19	14 17	16 20 38	10 45	69 38·9	11 18	16687	908·0	823 (14)	643 (42)	923 (863)
23	14 27	16 22 58	12 29	69 41·5	11 1	16664	906·6	806 (15)	642 (42)	858 (67)
23	—	—	—	—	12 47	16662	906·8	803 (15)	641 (42)	850 (67)
26	14 30	16 22 28	12 36	69 39·0	11 9	16665	906·9	809 (15)	645 (41)	858 (70)
30	15 27	16 20 8	15 5	69 40·5	11 34	16649	907·2	808 (15)	639 (41)	851 (73)
Feb. 2	14 21	16 20 15	11 36	69 38·9	12 15	16684	907·0	823 (16)	639 (41)	892 (76)
6	14 27	16 19 23	11 16	69 38·9	11 55	16672	907·7	819 (17)	642 (41)	886 (79)
9	14 23	16 19 48	11 3	69 38·8	11 37	16682	907·6	824 (17)	641 (41)	890 (81)
13	14 45	16 20 30	11 10	69 39·5	11 47	16666	907·5	810 (18)	641 (41)	866 (85)
16	14 53	16 21 8	11 12	69 38·8	11 49	16675	907·1	823 (18)	641 (41)	893 (87)
20	15 13	16 23 25	11 4	69 40·1	11 38	16674	906·8	807 (18)	651 (41)	897 (88)
23	—	—	10 59	69 40·1	—	—	—	—	—	894 (89)

ABSOLUTE DETERMINATIONS—*continued.*

Date.	Declination.		Inclination.		Horizontal Force.			Base Line Values (deduced and adopted).		
	Mean Time.	D.	Mean Time.	I.	Mean Time.	H.	*m.*	North.	West.	Vertical.
	h m	° ′ ″	h m	° ′	h m	γ		15,000 γ +	4,000 γ +	44,000 γ +
Mar. 2	14 41	16 20 10	12 35	69 39·4	11 58	16655	907·8	810 (17)	637 (40)	870 (90)
6	14 53	16 20 3	11 17	69 39·1	11 53	16674	907·5	811 (16)	641 (40)	871 (91)
9	15 13	16 20 38	11 30	69 39·2	12 6	16667	907·6	809 (16)	641 (40)	875 (92)
13	14 35	16 22 33	11 14	69 39·1	11 51	16658	907·3	811 (16)	638 (40)	880 (93)
20	12 13	16 20 45	14 51	69 38·1	11 36	16657	907·5	819 (15)	640 (40)	906 (894)
24	11 1	16 23 41	11 47	69 41·6	11 5	16636	908·1	822 (15)	639 (40)	906 (896)
28	14 23	16 22 25	12 44	69 40·8	12 5	16677	907·1	823 (15)	642 (40)	923 (897)
30	14 39	16 22 38	11 35	69 40·0	10 57	16662	907·4	817 (15)	650 (40)	913 (897)
Apr. 3	14 31	16 22 35	12 27	69 40·5	11 48	16679	908·0	823 (15)	643 (40)	920 (898)
6	15 47	16 19 53	12 15	69 40·5	11 34	16672	907·5	818 (16)	640 (40)	900 (899)
10	14 15	16 20 6	12 28	69 39·0	11 53	16674	908·0	818 (16)	632 (40)	888 (901)
13	—	—	12 41	69 39·7	12 5	16636	907·8	809 (16)	647 (40)	893 (903)
14	11 23	16 20 43	—	—	—	—	—			
17	14 17	16 21 41	12 9	69 41·1	11 29	16675	907·8	820 (17)	642 (40)	925 (04)
20	14 29	16 18 16	12 7	69 39·2	11 27	16673	907·7	820 (17)	627 (40)	910 (04)
24	14 21	16 21 12	11 55	69 40·0	11 18	16656	907·5	811 (16)	638 (39)	892 (05)
27	14 55	16 19 58	11 31	69 39·9	12 33	16668	907·1	800 (16)	642 (39)	—
May 1	14 53	16 17 49	12 25	69 38·9	11 47	16678	907·5	814 (16)	636 (39)	901 (06)
4	14 33	16 18 40	12 7	69 38·9	11 29	16681	907·3	823 (15)	641 (39)	929 (06)
8	16 13	16 17 50	16 27	69 39·0	11 57	16681	907·7	823 (14)	639 (39)	921 (05)
11	14 29	16 17 8	12 11	69 38·9	11 31	16655	907·7	812 (14)	634 (39)	888 (905)
15	15 37	16 17 15	12 15	69 40·1	11 36	16655	907·4	817 (14)	632 (39)	920 (04)
22	14 21	16 17 53	12 4	69 40·4	11 27	16652	907·5	807 (13)	629 (39)	878 (904)
25	16 39	16 16 37	12 11	69 39·2	14 46	16673	906·9	804 (13)	640 (39)	901 (04)
29	15 15	16 22 12	12 31	69 39·5	11 48	16691	909·2	833 (12)	645 (39)	1005 (906)
June 1	15 25	16 17 58	12 30	69 39·6	11 51	16692	907·5	819 (12)	638 (40)	913 (02)
5	14 33	16 21 19	12 48	69 39·7	11 42	16686	907·6	808 (13)	644 (40)	892 (902)
8	14 43	16 17 57	12 45	69 38·9	11 22	16667	906·7	808 (13)	641 (40)	881 (902)
12	15 38	16 18 21	12 43	69 38·5	11 30	16681	906·8	806 (15)	643 (40)	—
15	14 39	16 18 20	12 43	69 39·8	11 33	16674	907·1	803 (17)	638 (40)	856 (902)
19	15 29	16 19 52	12 41	69 39·1	11 57	16698	908·0	825 (20)	642 (41)	898 (902)
21	15 13	16 18 3	12 16	69 38·9	11 43	16682	907·7	821 (22)	641 (41)	926 (02)
26	14 43	16 18 17	12 17	69 39·5	11·43	16700	907·7	833 (26)	644 (42)	937 (02)
29	16 17	16 16 6	12 10	69 40·7	15 23	16668	906·8	806 (29)	637 (42)	857 (902)
July 3	15 5	16 17 13	12 33	69 39·4	11 54	16689	907·1	836 (33)	643 (42)	920 (02)
6	15 3	16 17 55	14 40	69 38·2	12 40	16675	906·0	829 (36)	638 (42)	906 (02)
10	15 51	16 18 30	12 23	69 38·4	13 47	16723	905·9	856 (39)	648 (43)	944 (02)
13	14 45	16 15 3	15 5	69 39·1	13 25	16686	907·0	836 (41)	640 (43)	911 (02)
16	15 31	16 15 33	12 31	69 39·1	11 53	16704	908·4	855 (43)	649 (43)	938 (02)
20	14 17	16 19 37	14 51	69 39·9	11 9	16690	908·0	854 (45)	651 (44)	939 (02)
24	15 31	16 11 53	12 36	69 39·1	11 59	16677	907·6	840 (47)	641 (44)	883 (901)
27	15 5	16 19 33	12 33	69 38·5	11 55	16676	907·1	844 (48)	645 (44)	896 (900)
31	15 17	16 16 8	12 23	69 38·9	11 43	16692	907·7	852 (49)	647 (45)	897 (900)
Aug. 2	—	—	14 24	69 37·7	—	—	—	—	—	872 (99)
3	11 21	16 19 5	14 13	69 38·5	14 59	16649	907·4	850 (49)	645 (45)	900 (899)
3	—	—	15 39	69 39·1	—	—	—	—	—	910 (899)
7	14 33	16 16 53	12 33	69 39·3	11 55	16688	907·6	856 (50)	646 (46)	919 (898)
10	14 23	16 16 58	12 27	69 38·6	11 51	16685	907·1	848 (50)	646 (46)	896 (96)
14	15 17	16 15 53	12 25	69 39·0	11 47	16718	907·8	866 (50)	655 (47)	923 (896)
17	15 47	16 13 37	14 42	69 39·0	15 15	16687	907·0	842 (50)	647 (47)	892 (95)
21	14 33	16 15 10	12 28	69 38·7	11 49	16684	907·3	848 (50)	647 (47)	894 (94)
25	12 29	16 18 25	12 15	69 38·7	11 35	16681	907·2	848 (50)	647 (47)	886 (94)
28	14 19	16 16 13	12 11	69 40·5	11 33	16687	908·2	862 (50)	648 (47)	931 (894)
31	15 43	16 15 13	12 13	69 40·7	11 35	16689	907·0	852 (50)	6,000 γ+ 975 (67)	901 (893)

ABSOLUTE DETERMINATIONS—*continued.*

Date.	Declination.		Inclination.		Horizontal Force.			Base Line Values (deduced and adopted).		
	Mean Time.	D.	Mean Time.	I.	Mean Time.	H.	*m.*	North.	West.	Vertical.
	h m	° ′ ″	h m	° ′	h m	γ		15,000 γ +	6,000 γ +	44,000 γ +
Sept. 4	14 35	16 15 18	12 33	69 40·7	11 59	16679	907·3	857 (50)	963 (61)	958 (894)
7	14 59	16 14 15	15 31	69 39·3	11 56	16664	907·1	840 (50)	954 (60)	870 (94)
11	14 33	16 16 1	12 21	69 40·0	11 41	16685	907·2	853 (50)	959 (60)	924 (894)
14	15 15	16 14 20	12 21	69 40·3	11 43	16683	907·5	863 (50)	963 (60)	930 (894)
18	14 39	16 14 38	12 31	69 39·1	11 51	16683	907·2	848 (50)	953 (59)	890 (95)
21	15 15	16 13 25	12 26	69 38·8	11 47	16677	906·9	847 (50)	953 (59)	883 (96)
25	14 33	16 13 48	12 1	69 39·0	11 17	16676	907·0	848 (50)	956 (59)	893 (98)
27	—	—	11 9	69 42·3	—	—	—	—	—	888 (98)
28	13 3	16 15 30	12 3	69 40·0	11 25	16654	906·7	849 (50)	955 (59)	885 (99)
Oct. 1	—	—	12 39	69 39·6	—	—	—	—	—	894 (900)
1	—	—	14 16	69 39·5	—	—	—	—	—	891 (900)
2	14 31	16 15 6	12 12	69 39·5	11 31	16668	907·1	851 (50)	964 (59)	894 (900)
3	—	—	12 14	69 39·7	—	—	—	—	—	903 (00)
3	—	—	15 43	69 38·9	—	—	—	—	—	900 (00)
4	—	—	12 13	69 39·8	—	—	—	—	—	903 (01)
4	—	—	15 21	69 38·8	—	—	—	—	—	910 (01)
5	15 45	16 15 20	12 47	69 38·7	12 7	16683	907·0	851 (49)	965 (59)	906 (01)
9	14 57	16 14 43	14 40	69 39·4	11 32	16684	907·1	855 (49)	960 (59)	926 (03)
16	14 59	16 15 33	14 46	69 42·8	12 3	16667	907·2	852 (48)	964 (59)	935 (06)
19	15 23	16 11 23	12 30	69 41·2	11 47	16687	907·4	860 (48)	962 (59)	980 (07)
23	15 17	16 10 53	12 11	69 39·5	11 33	16682	907·3	851 (47)	962 (59)	929 (09)
26	14 53	16 13 3	11 41	69 40·3	11 4	16672	906·9	844 (46)	959 (59)	910 (10)
27	11 21	16 12 55	—	—	—	16654	—	847 (46)	953 (59)	—
29	11 3	16 11 25	—	—	—	16651	—	845 (45)	956 (59)	—
Nov. 2	14 39	16 13 9	12 13	69 40·3	11 39	16674	906·2	860 (44)	969 (59)	956 (13)
6	15 11	16 12 0	12 21	69 39·5	11 41	16671	907·1	838 (43)	957 (58)	905 (15)
9	14 27	16 12 50	12 11	69 39·7	11 31	16676	907·3	843 (42)	962 (58)	921 (17)
13	14 49	16 13 8	12 21	69 39·6	11 43	16676	907·3	842 (40)	958 (57)	921 (18)
16	14 21	16 11 43	12 24	69 38·6	11 45	16679	907·5	842 (39)	961 (57)	923 (19)
20	14 37	16 10 43	12 24	69 38·9	11 45	16667	906·6	824 (37)	954 (56)	869 (920)
27	15 9	16 13 53	12 11	69 38·6	11 26	16656	906·9	829 (34)	950 (55)	908 (22)
30	14 29	16 12 16	12 9	69 39·7	11 27	16672	907·2	834 (32)	958 (55)	932 (23)
Dec. 5	14 49	16 10 14	12 25	69 39·4	11 45	16664	907·1	820 (29)	946 (54)	900 (25)
7	15 11	16 10 40	12 21	69 39·2	11 43	16691	907·3	837 (28)	960 (53)	957 (26)
11	14 33	16 10 43	12 2	69 39·7	11 23	16669	906·8	829 (25)	955 (52)	937 (27)
18	15 1	16 9 5	12 35	69 38·4	11 55	16686	907·3	829 (21)	951 (51)	969 (35)
22	12 19	16 9 40	12 4	69 38·8	11 27	16667	907·0	813 (19)	945 (50)	822 (38)
24	15 7	16 12 13	14 43	69 39·4	12 11	16648	906·8	811 (18)	944 (50)	817 (37)
28	14 13	16 12 23	12 15	69 39·9	11 33	16670	907·7	813 (17)	956 (49)	835 (35)

The hourly readings are obtained from the magnetograms, standardised as described in the foregoing, by means of a ruled glass scale. The reading for any given hour G.M.T. is that ordinate estimated to be the mean reading for 60-minutes centering at the given hour. The product of this ordinate and the scale value is added to the adopted base line value, and the sum so obtained is the hourly value printed in the tables.

In consequence of the error in the azimuth of the " west " magnet (August 30th—December 31st, 1923) it has been necessary to introduce modifications in certain parts of the normal procedure described above. To obtain the true scale values of the W′ record it was necessary to multiply the values derived in the usual way, and in the belief that the magnet azimuth was correct, by cos 9°·5. For the period named,

base line values of W′, not W, were computed ; and in the calculations of the base line values of all three components, N, W′ and V, the circumstance that W′ and not W was recorded was allowed for. Hourly values of W′ were tabulated, and from each such hourly value and the corresponding hourly value of N the hourly value of W was deduced, using the relation $W = W' \sec \alpha - N \tan \alpha$, i.e., $W = 1{\cdot}01391\ W' - 0{\cdot}16734\ N$. The finally resulting hourly values of W showed differences mostly of the order of 1γ or 2γ, but on disturbed occasions varying up to 15γ, from the values computed on the assumption that W and not W′ was recorded. The algebraic mean difference over the four months amounted to 0·8γ. Therefore, so far as the actual hourly values are concerned, it has been possible to eliminate the effects due to the displacement of the " west " magnet and the results published may be regarded as of the normal order of accuracy ; the same consideration applies to the diurnal inequalities.

The determination of daily maxima and minima and daily ranges of W is less straightforward. If W_0', N_0 are the base line values of the W′ and N records ; w′, n corresponding curve ordinates in millimetres ; c′, b the scale values of the W′ and N records in γ per m.m., then

$$W = W_0' \sec \alpha - N_0 \tan \alpha + c' \sec \alpha \left\{ w' - \frac{nb}{c'} \sin \alpha \right\}.$$

For a given day W is a maximum or minimum according as $w' - \left(\frac{b}{c'} \sin \alpha\right) n$ is a maximum or minimum. In the particular case in question a typical value of $\frac{b}{c'} \sin \alpha$ is 0·152. Theoretically it should be possible, by employing a pantagraph or similar instrument, to trace the quantity $\left(\frac{b}{c'} \sin \alpha\right) n$ beneath the W′ record with the base line of the latter as zero, and so to select and measure the largest and smallest ordinate differences between the two traces. With the apparatus available certain practical difficulties were encountered in endeavouring to trace the N curves reduced to between one-sixth and one-seventh in ordinate, and consequently this method of achieving the object in view was abandoned. Instead, the W′ trace for each day was re-examined, in relation to the corresponding N trace and in the light of the relative effects of changes in w′ and n, in order to determine (1) whether the apparent time of maximum or minimum as shown by the W′ curve was or was not the true time of maximum or minimum of W for its immediate neighbourhood, and if not what was the true time for that neighbourhood ; (2) whether there was in any other section of the W′ curve a point which when duly corrected, might possibly compete with the former local maximum or minimum. The true time of maximum or minimum having been thus ascertained, the correct value of W was computed from appropriate measurements made on the W′ and N curves. It is considered that the resulting maxima and minima are very nearly of the usual order of accuracy. In nearly all cases the true time of maximum and minimum of W was found to be the same, for all practical purposes, as the apparent time shown on the W′ record.

Notes on Tables.

The hourly values of N, W and V, obtained as described above, appear in three of the four monthly tables. The mean value for the day is computed according to the expression

$$x = \{\tfrac{1}{2}\ (x_0 + x_{24}) + x_1, + x_2 + \ldots\ldots\ldots + x_{23}\} / 24.$$

The letters " Q " and " D " denote the five quiet and the five most disturbed days as selected at De Bilt.

In the fourth table for each month are given :—

(*a*) the values and times of the daily maximum and minimum and the values of the absolute daily range for each of the components N, W and V.*

(*b*) the value of ΣR^2† for each day. ΣR^2 is written for $R_N^2 + R_W^2 + R_V^2$ where R_N, R_W, R_V denote the absolute ranges for a calendar day of the north, west and vertical components.

(*c*) the "characteristic ratio," ρ, which is the ratio of the value of ΣR^2 for a given day to the mean monthly value of ΣR^2. This ratio is an index of the degree of disturbance or activity on a given day relatively to the other days of the same month.

(*d*) the daily magnetic character figures, assigned according to the international scheme wherein "0," "1," "2," respectively, denote quiet, moderately disturbed and highly disturbed conditions.

(*e*) the daily values of temperature in the underground magnetograph chamber.

Mean diurnal inequalities of the components N, W, V, H, D and I on "all" days and on international quiet and disturbed days are given, for the months, seasons and year, in Tables 259 to 276. In calculating diurnal inequalities the non-cyclic change has been eliminated on the assumption that its time-rate is linear. Inequality values are first calculated to $0{\cdot}01\,\gamma$ and then rounded off to $0{\cdot}1\gamma$. The inequalities of H, D and I have been computed from those of N, W and V by means of the formulae :—

$$\delta D = \frac{180 \times 60}{\pi}\left(\frac{\delta W \cos D - \delta N \sin D}{H}\right)$$

$$\delta H = \delta N \cos D + \delta W \sin D$$

$$\delta I = \frac{180 \times 60}{\pi} \cos I \left(\frac{\delta V \cos I - \delta H \sin I}{H}\right)$$

in which δD and δI are expressed in minutes of arc, and where H, D and I for any given month are the respective mean values for that month as published in Table 280. The values of the range of the mean diurnal inequalities of the several elements on the three different types of day are brought together in Table 277, and the values of the non-cyclic change of N, W and V are given in Table 278.

The results of harmonic analysis of the monthly, seasonal‡ and annual diurnal inequalities of N, W and V are to be found in Tables 281 and 282, in which are given the values of a_n, b_n, c_n, and α_n, in the two equivalent series $\Sigma\,(a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$ and $\Sigma\, c_n \sin (15nt^\circ + \alpha_n)$. In the former series t is reckoned in hours from midnight G.M.T., whilst the published values of α_n refer to Local Mean Time. The values of the harmonic coefficients have been computed from the unrounded values of the inequalities and have been corrected, where necessary, on account of the fact that the hourly values are not instantaneous values but are mean values. The factors by which the coefficients have to be multiplied (*vide* Report of the British Association, 1883, p. 98) are $1{\cdot}00286$ for a_1, b_1, c_1 ; $1{\cdot}01152$ for a_2, b_2, c_2 ; $1{\cdot}02617$ for a_3, b_3, c_3 ; and $1{\cdot}04720$ for a_4, b_4, c_4. Finally, the values were rounded off to $0{\cdot}1\ \gamma$.

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* See p. 104 for method of obtaining daily maxima and minima of W from 1923 ; August 30th to December 31st.

† See also p. 107.

‡ The seasons are defined for this purpose as follows :—*Winter*, January, February, November, December ; *Equinox*, March, April, September, October ; *Summer*, May, June, July, August.

The mean values of the squares of the absolute daily ranges are summarised in Table 279.

In Table 280 appear for the months and year the mean values of N, W, V, D, I, H and Total Force, T. The means of the four latter elements are derived from the corresponding mean values of N, W and V, which are the means of hourly values on "all" days in the month or year.

Review of Results of Magnetic Observations.

Mean and Extreme Values of the Magnetic Elements, 1923.—The mean values are given below in Table I along with the corresponding values for the previous year. The values of N, W and V have been computed from the hourly values derived from the autographic records of "all" days, standardised by means of the absolute observations; those of H, D, I and T have been deduced from the values of N, W and V.

TABLE I.

Year.	H.	D. (West).	I.	N.	W.	V.	T.
	γ	° ′	° ′	γ	γ	γ	γ
1922	16680	16 25·8	69 40·0	15999	4718	45012	48003
1923	16676	16 13·8	69 38·8	16011	4661	44954	47947

H continued to decrease, but less rapidly than in the three immediately preceding years. The increased rate of decrease of westerly declination which became noticeable in 1921 was maintained. The steady fall in W continued, the mean value of this component for 1923 being 650γ less than the value, viz., 5311γ, for 1910. The increase in N was the largest since the rise of 15γ from 1919 to 1920. Inclination decreased, the change from 1922 being larger than is usual from one year to the next. The fall in V from the previous year was somewhat larger than the fall from 1921 to 1922.

The extreme values of N, W and V recorded during 1923 are given in Table II.

TABLE II.

Component.	Maximum.					Minimum.					Absolute Annual Range.
	Value.	Date, 1923.				Value.	Date, 1923.				
	γ		d	h	m	γ		d	h	m	γ
North	16141	Feb.	24	21	26	15749	Sept.	27	1	40	392
West	4848	Mar.	24	17	10	4443	Sept.	27	1	36	405
Vertical ..	45104	Mar.	24	17	21	44724	Sept.	27	1	46	380

The absolute annual ranges in N and W were greater in 1923 than in 1922, but the range in V was the smallest for the years for which the records are complete. The maximum value of W was almost the same as the 1922 value, recorded about twelve months earlier, although the mean value of W in March, 1923, was less than that in March, 1922, by 54γ.

Magnetic Character of the Year.—As an endeavour to obtain magnetic activity estimates free from the effects of variations in personal judgment, to which the character figures assigned in accordance with the international scheme are subject, it has been the practice in recent years to tabulate for each day two quantities which are in some measure indicative of the degree of magnetic activity. These quantities

are (1) ΣR^2,* the sum of the squares of the absolute daily ranges of the three geographical components; and (2), the mean of the hourly values of Σr^2,† the sums of the squares of the hourly ranges of these components. The magnetic character

TABLE III.

1923.	Mean Value of Σr^2 (Unit $100\gamma^2$).											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day.												
1	0·6	5·3	1·6	2·0	0·9	2·0	2·2	1·3	3·4	1·4	2·7	1·2
2	1·2	1·6	1·2	1·2	0·8	1·7	5·4	2·1	2·6	0·6	16·9	0·3
3	1·2	2·9	1·1	1·6	6·5	3·1	1·4	14·1	5·1	0·5	3·3	—
4	2·7	5·7	—	1·8	3·5	6·2	1·0	5·9	2·0	0·8	0·5	—
5	1·5	1·3	—	0·7	2·3	8·8	0·8	1·8	1·2	1·3	0·4	0·6
6	2·5	2·9	0·4	2·0	1·1	6·2	4·8	4·4	0·9	1·7	0·7	1·0
7	0·6	3·2	2·7	2·4	3·4	1·8	5·3	1·5	0·9	0·9	2·7	0·6
8	0·3	2·2	0·6	3·2	4·7	2·3	2·5	1·9	0·8	2·5	0·7	0·5
9	0·6	0·5	0·4	3·6	2·2	0·9	1·4	1·8	7·5	1·4	0·8	5·7
10	1·5	3·7	0·6	5·7	1·1	0·9	19·4	2·2	4·1	4·5	0·4	2·8
11	0·8	1·5	0·8	10·6	1·3	—	8·7	1·1	2·7	6·6	0·7	0·8
12	0·7	0·8	1·2	10·3	0·8	—	2·9	2·1	1·5	—	6·0	0·8
13	5·4	0·6	1·5	9·3	1·4	—	1·2	9·7	2·7	—	3·1	1·4
14	2·5	5·6	4·8	6·9	2·1	18·5	0·7	5·8	4·3	3·7	0·6	2·5
15	0·8	0·6	9·2	2·5	2·2	7·2	1·1	3·8	1·8	73·1	0·3	2·7
16	1·4	2·6	6·7	1·4	1·0	2·8	1·5	2·2	1·2	111·5	0·8	0·3
17	—	12·8	4·3	1·7	33·8	1·2	2·2	1·6	2·6	33·2	0·8	0·2
18	0·5	4·7	3·8	1·9	19·8	1·3	9·3	0·8	3·3	18·2	0·3	1·3
19	0·2	1·9	1·8	1·6	5·4	1·7	3·8	2·6	1·0	6·6	0·4	1·0
20	7·8	1·3	3·3	6·1	6·1	3·7	1·8	1·8	2·5	3·8	0·1	1·2
21	8·6	1·1	2·4	15·0	3·2	9·4	0·8	1·1	0·6	1·0	1·6	0·7
22	6·8	1·0	1·4	19·2	1·2	2·0	3·5	3·4	1·5	1·2	3·2	0·2
23	5·6	0·3	0·8	13·9	2·1	1·9	7·4	1·2	2·6	0·6	1·0	5·3
24	3·4	1·0	104·1	6·9	1·1	1·0	0·8	3·5	3·1	0·5	0·4	3·7
25	0·9	51·4	50·1	1·3	2·0	1·0	0·8	3·3	1·4	1·2	0·5	5·5
26	0·7	32·7	24·7	0·9	1·7	1·6	1·3	1·1	26·2	2·1	—	23·7
27	0·4	52·8	7·1	—	2·0	5·0	3·5	1·7	247·8	4·7	5·0	7·4
28	0·6	9·8	5·7	—	1·0	3·7	1·9	1·2	16·0	0·8	2·9	6·2
29	4·9	—	3·3	1·7	12·8	1·2	1·9	0·6	3·5	0·7	6·6	1·5
30	7·8	—	3·1	1·1	9·3	32·0	1·2	1·4	3·0	0·4	3·7	0·7
31	1·8	—	2·4	—	2·1	—	1·2	3·5	—	4·0	—	0·8
Mean	2·5	7·6	8·7	4·9	4·5	4·8	3·3	2·9	11·9	10·0	2·3	2·8

figure, the value of ΣR^2, and the value of ρ* (the "characteristic ratio") for each day appear in the fourth table under each month in this volume. The daily means of Σr^2 are given in Table III above. Owing to the error‡ in azimuth of the west

* See p. 105.

† r_N, r_W, r_Z, denoting ranges, for the 60-minutes period centered at the exact hour G.M.T., of N, W and V, Σr^2 stands for $r_N^2 + r_W^2 + r_Z^2$. Table III contains the value of $\frac{1}{24}\Sigma(\Sigma r^2)$, where—

$$\Sigma(\Sigma r^2) = \tfrac{1}{2}\{(\Sigma r^2)_0 + (\Sigma r^2)_{24}\} + (\Sigma r^2)_1 + \ldots + (\Sigma r^2)_{23}$$

‡ See pp. 103–104.

magnet from 1923, August 30th to December 31st, the daily means of Σr^2 for that period are not strictly comparable with the earlier values, for in tabulating hourly ranges of the " west " component during the period specified no attempt was made to allow for the circumstance that the component recorded was $W' = W \cos \alpha + N \sin \alpha$, and not W.

The monthly distribution and the mean values of the magnetic character figures, together with the mean values of ΣR^2 and of Σr^2, are shown in Table IV.

TABLE IV.

Month.	Magnetic Character Figures.			Mean Character Figure.	Mean value of $\Sigma R^2/100$.	Mean value of $\Sigma r^2/100$.
	No. of " 0 " days.	No. of " 1 " days.	No. of " 2 " days.			
1923					γ^2	γ^2
January	21	9	1	0·35	47	2·5
February ..	16	9	3	0·54	124	7·6
March	18	10	3	0·52	*187	*8·7
April	17	12	1	0·47	*118	†4·9
May	19	10	2	0·45	104	4·5
June	20	8	2	0·40	†129	‡4·8
July	22	9	0	0·29	84	3·3
August	21	10	0	0·32	75	2·9
September ..	21	7	2	0·37	204	11·9
October	22	6	3	0·39	198	*10·0
November ..	18	11	1	0·43	56	*2·3
December ..	20	10	1	0·39	§55	*2·8
Year, 1923 ..	235	111	19	0·41	115	5·5
Year, 1922 ..	174	145	46	0·65	205	11·3
Year, 1921 ..	177	145	43	0·63	255	15·6
Year, 1920 ..	194	137	35	0·57	286	13·9

* Mean for 29 days. † Mean for 28 days. ‡ Mean for 27 days. § Mean for 30 days.

It will be seen that the number of days to which the highest character figure was assigned was much smaller in 1923 than in recent years and that there was a considerable increase in the number of " 0 " days. The mean character figure and the means of ΣR^2 and of Σr^2 were all considerably less in 1923 than in the years 1917–1922, the annual mean of ΣR^2 being smaller than in any other year since 1914; and the individual monthly means were less than the corresponding values in 1922, with the exception of the mean character figure and mean value of ΣR^2 in December.

A somewhat more detailed representation of the activity features is afforded by the data in Table V, which contains the monthly and annual mean values of ΣR^2 and Σr^2 for days to which different magnetic character figures have been assigned.

In this table the annual means are the means of the monthly mean values—i.e., in the case of " 2 " days the annual means are the means of the ten monthly means. For international quiet days, " 0 " days, and " 1 " days the annual means of ΣR^2 and of Σr^2 for 1923 were quite definitely smaller than in recent years. For these days, too, but with the exception of ΣR^2 for quiet days in April and December, the individual monthly means in 1923 were less than the corresponding values in 1922. In 1923 the annual means of ΣR^2 and Σr^2 on " 2 " days were somewhat larger than in 1922, but decidedly less than in the years 1918–1921. If equal weight is given to individual " 2 " days the means of $\Sigma R^2/100$ are 914, 704, 1327, 1683, and of $\Sigma r^2/100$ are 53·4, 41·7, 97·3, 92·5 for 1923, 1922, 1921 and 1920

respectively. Of the nineteen " 2 " days in 1923, four, viz., March 24th, September 27th, October 15th and 16th, contributed more than 50 per cent. to the totals of ΣR^2 and Σr^2 for the year. The value of ΣR^2 on September 27th, 1923, was greater than on any day in 1922, whilst the values on March 24th and October 16th, 1923, were exceeded on only one day in 1922.

TABLE V.

Month.	Q days.		" 0 " days.		" 1 " days.		" 2 " days.	
	$\frac{\Sigma R^2}{100}$	$\frac{\Sigma r^2}{100}$	$\frac{\Sigma R^2}{100}$	$\frac{\Sigma r^2}{100}$	$\frac{\Sigma R^2}{100}$	$\frac{\Sigma r^2}{100}$	$\frac{\Sigma R^2}{100}$	$\frac{\Sigma r^2}{100}$
1923.	γ^2	γ^2	γ^2	γ^2	γ^2	γ^2	γ^2	γ^2
January	8	0·4	19	1·0	94	5·3	218	7·8
February	16	0·7	29	1·3	117	6·0	654	45·7
March	25	0·6	41	1·3	114	5·1	1211	59·7
April	55	1·1	69	1·6	167	7·8	321	19·2
May	49	1·1	51	1·5	147	5·7	400	26·8
June	52	1·1	70	1·9	163	8·6	569	32·0
July	44	0·8	51	1·6	167	7·5	—	—
August	49	1·0	57	1·6	113	5·6	—	—
September	43	1·0	55	2·0	143	5·9	1987	137·0
October	23	0·5	38	1·5	152	6·9	1464	72·6
November	10	0·4	14	0·6	86	3·7	476	16·9
December	9	0·4	15	0·8	89	4·6	456	23·7
Year, 1923..	32	0·8	42	1·4	129	6·1	776	44·1
Year, 1922..	47	1·5	64	2·5	221	12·5	720	43·2
Year, 1921..	45	1·3	60	2·1	181	8·5	926	61·5
Year, 1920..	59	1·5	78	2·6	242	11·4	1262	67·5

It may be concluded that in most respects the degree of magnetic activity in 1923, which was apparently a year of sunspot minimum, was distinctly less than in several immediately preceding years; and that if the mean annual value of ΣR^2 be regarded as sufficient criterion, 1923 was the quietest year, magnetically, since 1914 at least.

TABLE VI.—MEAN DIURNAL INEQUALITIES OF Σr^2 ON INTERNATIONAL QUIET DAYS FOR MONTHS AND SEASONS, 1923. Unit $1\gamma^2$.

Month and Season.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	24–0 (n.c. change).	Mean Value.
January	+ 48	− 16	−48	− 22	− 51	−38	−43	−26	− 11	+ 6	+ 8	− 7	+ 45	+ 20	− 2	− 5	+21	+18	+15	+18	+29	+20	+18	+16	−96	41
February	+ 42	+ 48	− 1	− 41	− 41	+ 2	−47	+26	+ 36	+ 8	+ 40	+ 42	+ 25	+ 39	+52	− 2	−17	−38	−38	−30	−52	−33	+ 4	−35	− 3	67
March	− 56	− 20	− 9	− 18	− 36	−30	−28	+16	+ 17	+52	+151	+ 57	+ 48	+ 42	+78	+25	−16	− 9	−39	−47	−33	−41	−59	−56	+ 2	65
April	− 47	− 98	−85	− 86	−106	−50	+69	+ 7	+157	+82	+208	+123	+ 48	+ 68	+ 8	+ 7	− 6	−43	−82	−81	−11	+21	−44	−67	−11	114
May	−116	−116	−69	−102	− 60	−96	−75	−59	− 3	+10	+ 58	+134	+ 40	+ 87	+54	+42	+63	+56	+22	+82	+19	−19	+ 8	+42	−88	111
June	− 8	− 32	−58	− 90	− 58	−59	−17	−27	+ 26	+53	+ 76	+178	+ 20	+ 70	+98	+63	+24	−24	−49	−42	−51	−44	−47	− 7	−36	107
July	− 51	− 55	−70	− 60	− 6	+ 7	−53	+16	− 3	+ 8	+172	+119	+ 26	+ 36	+66	+32	+ 5	−15	−16	+13	−27	−35	−47	−56	−29	84
August	− 73	− 84	−82	− 63	− 41	−49	−36	+12	+ 70	+27	+140	+117	+117	+ 54	+96	+13	−34	−32	−48	−24	−25	−66	+16	−11	−14	99
September	− 39	− 52	−67	− 66	− 63	−55	−45	−17	+ 79	+ 3	+341	+ 48	+ 38	+ 59	+80	+42	−48	−58	−49	−54	−50	−40	+43	−25	+35	97
October	− 16	− 39	−32	− 42	− 37	−25	− 8	+58	+ 57	+48	+ 62	+ 46	+ 17	+116	+ 6	+18	0	−45	−36	−35	−48	−27	−10	−20	+10	53
November	+ 3	+ 22	+27	+ 15	− 8	−13	− 8	+12	+ 6	+ 5	+ 21	+ 1	− 7	+ 6	−13	− 5	−38	−37	−30	−12	− 2	−18	+47	+22	+54	35
December	+ 8	− 15	−16	− 37	− 48	−12	−32	−24	− 9	+ 6	+ 17	+ 37	− 8	+ 4	−11	−11	− 6	−14	− 3	+24	+20	+27	+28	+75	−50	41
Year	− 25	− 38	−43	− 51	− 46	−35	−27	− 1	+ 35	+26	+108	+ 75	+ 34	+ 50	+43	+18	− 4	−20	−29	−16	−19	−21	− 4	−10		76
Winter	+ 25	+ 10	−10	− 21	− 37	−15	−33	− 3	+ 5	+ 6	+ 21	+ 18	+ 14	+ 17	+ 7	− 6	−10	−18	−14	0	− 1	− 1	+24	+19		46
Equinox	− 39	− 52	−48	− 53	− 61	−40	− 3	+16	+ 77	+46	+191	+ 69	+ 38	+ 71	+43	+23	−17	−39	−51	−54	−35	−22	−17	−42		82
Summer	− 62	− 72	−70	− 79	− 41	−49	−45	−15	+ 23	+25	+111	+137	+ 51	+ 62	+79	+37	+15	− 4	−23	+ 7	−21	−41	−17	− 8		100

Daily Variation of Σr^2.—As for the years 1920–1922 attention has been confined to the five international quiet days* of each month and the mean values of Σr^2 have been obtained for the hour periods centred at exact hours G.M.T. The results, in the form of mean diurnal inequalities for the months, seasons and year, are shown in Table VI. The mean values of the difference between the 24h and oh values of Σr^2 are also given.

The mean inequalities for the seasons and year exhibit fewer irregularities in 1923 than in the years 1920–1922, and the range of the mean inequality in winter and in summer was less in 1923 than in either of the former years mentioned. As in the earlier years the winter inequality shows maxima near midnight and noon and minima in the morning and evening. In the inequalities for equinox and summer, 1923, there is a prominent maximum near midday and there are indications of a small maximum near midnight, and minima in the early morning and late evening. The results for these seasons in 1921 and 1922 showed a rather prominent maximum near midnight.

Diurnal Inequalities.—The mean diurnal inequalities for "all" days, international quiet and disturbed days, for the months, seasons and the year, are given in Tables 259–276, and the corresponding inequality ranges in Table 277. The inequalities of N, W and V for international quiet and disturbed days are shown graphically in Plates I and II, the representation in the latter plate being in the form of vector diagrams.

(1) *Ranges.*

(*a*) All Days.—The range of the north component inequality for winter and of the west component inequality for equinox was larger than the corresponding quantity in 1922. Apart from these exceptions the ranges for all seasons and for the year, for all components, were the smallest since those of 1914. The ranges for the north component in July, for the west component in July and August, and for the vertical component in April and July were the smallest, for the respective months, of the period 1911–1923.

(*b*) Quiet Days.—With the exception of the range of the north inequality for the year as a whole and of the range for the vertical component in equinox the ranges for all three components for the seasons and the year were the smallest since those of 1914. The ranges of the north inequality in July, September, October and December, of the west inequality in March and July, and of the vertical inequality in January, February and August were the least, in the respective months, of the period 1911–1923.

(*c*) Disturbed Days.—With the exception of the west inequality range in summer, the ranges of the inequalities of all three components show a reduction from those of 1922, and in the majority of cases the ranges for the seasons and the year are the smallest during the years 1915–1923. The ranges of the vertical inequality in July, August, November and December, 1923, were noticeably small.

(2) *Harmonic Coefficients.*

(*a*) All Days.—Apart from the amplitude of the 12-hour term in winter the amplitudes of the two principal terms for the north and west components were less than in 1922, while for the vertical component the values of c_1 and c_2 for the seasons and for the year were less than in 1922. The values of c_1 and c_2 for the year, for all three components, were the smallest since 1914. The phase of the 24-hour term of each component was slightly less retarded relatively to 1922.

(*b*) Quiet Days.—The values of c_1 for the north component, of c_1 and c_2 for the west component, and of c_1 and c_2 (with the exception of c_1 in summer) for the vertical component were less than in 1922. The decrease in the values of c_1 and c_2 for seasons and year from 1922 was proportionately greater in the case of the west component than in the case of the north component. The value of α_1 for the north component for summer was greater than usual. For the vertical component α_1 and α_2 were respectively less than and greater than the values in 1922, except in the case of the values for winter.

* The V record was defective on April 27th and therefore this quiet day was omitted.

Plate I.

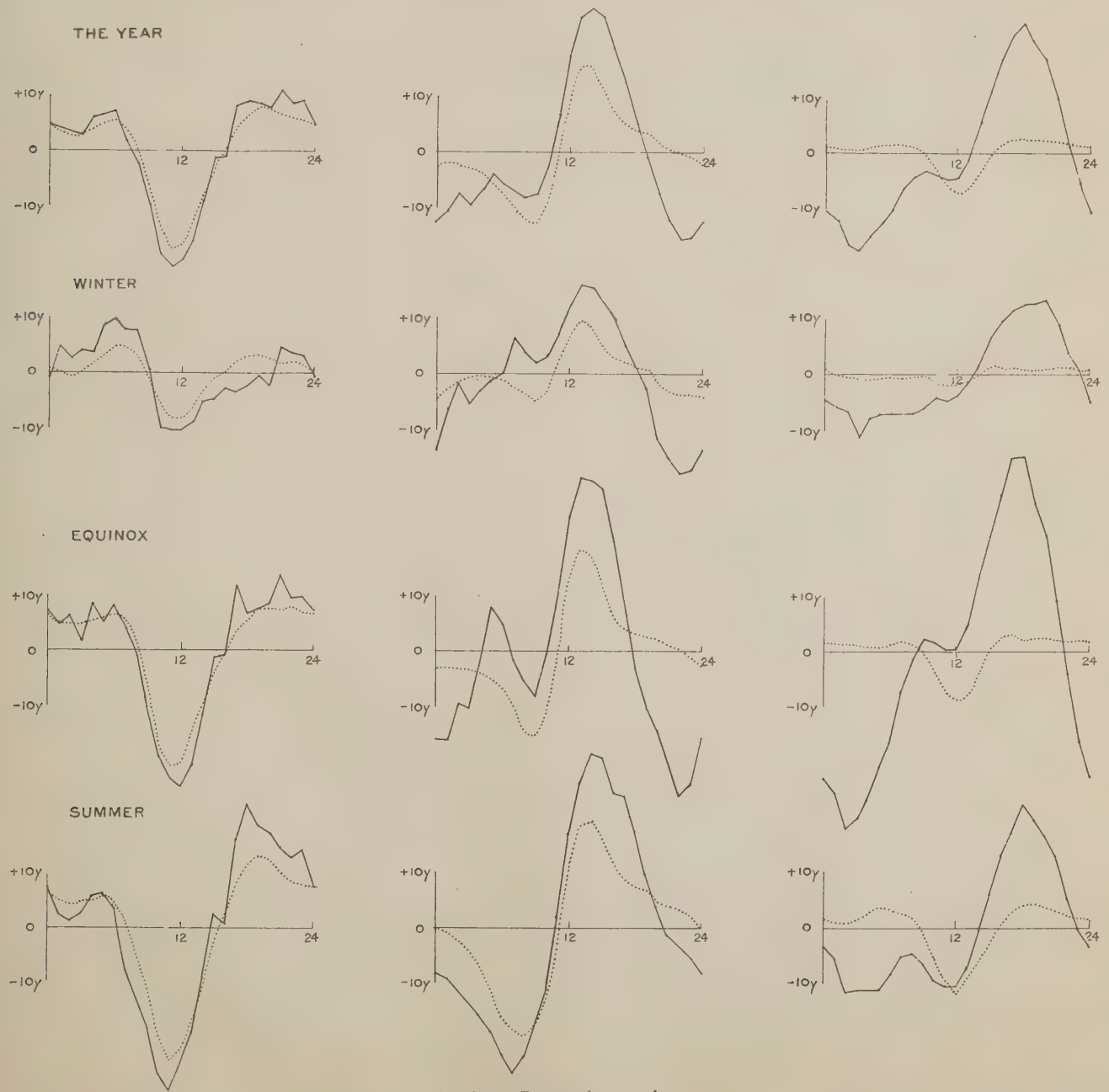
To face page 110.

Diurnal Variation in the Components of Magnetic Force on Quiet and Disturbed Days, Eskdalemuir 1923.

(The Year and the Seasons.)

QUIET DAYS Dotted lines ..... DISTURBED DAYS Continuous lines. _____

North Component. West Component. Vertical Component.



Scales; Force, 1mm. = 1γ.
Time, 2mm. = 1hr.

H.M Stationery Office Press, Kingsway W.C.2.

Ps 9300/1303 Wt 14544A. D.12431/(PF.1350) 782. 500 9/26.

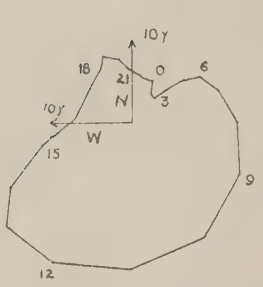
Plate II.

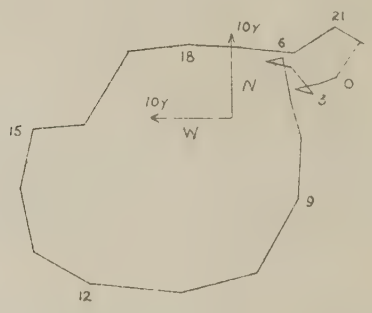
Vector Diagrams Illustrating Diurnal Variation in Magnetic Force on Quiet Days and Disturbed Days. Eskdalemuir 1923.

QUIET DAYS.

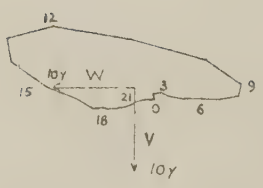
DISTURBED DAYS.

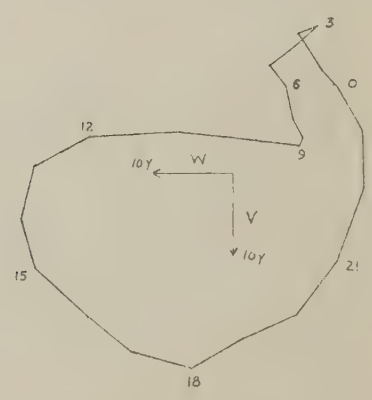
Horizontal Components.



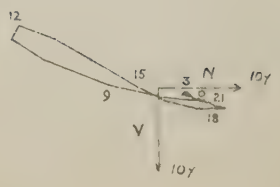


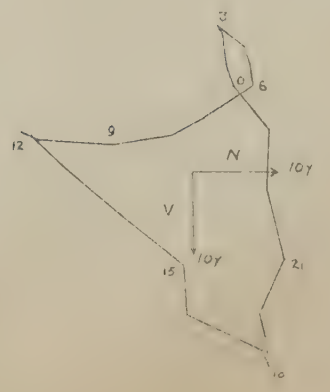
Prime Vertical Components.





Meridian Components.





Scale, 0·05 ins. = 1γ.

(*c*) Disturbed Days.—With the exception of c_2 for the north component in winter, of c_2 for the west component for year, winter and equinox, and of c_2 for the vertical component in equinox, the values of c_1 and c_2 were smaller than in 1922. The values, for the north component, of c_1 and c_2 for year and summer, of c_2 for equinox, and the values, for the west component, of c_1 for year, winter, and summer were the smallest during the period 1916–1923. For the north and west components the values of α_1 and α_2 were less than in 1922, with the exception of α_2 in winter.

Daily Range.—The values of mean absolute daily range for the months and seasons of the year, together with the corresponding means for 1912–1922 (1914–1922 for V), are given in Table VII ; the ranges are also expressed as percentages of the mean absolute daily range for the year.

TABLE VII.—ABSOLUTE DAILY RANGE. MEAN MONTHLY VALUES.

Month.	Mean Absolute Daily Range.						Mean Daily Range expressed as Percentage of Yearly Mean.					
	1923.			Mean 1912–22*.			1923.			Mean 1912–22*.		
	N.	W.	V.	N.	W.	V.	N.	W.	V.	N.	W.	V.
	γ	γ	γ	γ	γ	γ	%	%	%	%	%	%
January ..	37	44	17	59	63	34	64	76	61	73	81	69
February ..	62	59	28	60	67	37	107	102	100	74	86	75
March ..	60	69	38	87	88	58	103	119	136	107	113	118
April ..	70	67	31	93	84	58	121	116	111	115	108	118
May ..	63	59	33	97	84	60	109	102	118	120	108	122
June ..	70	68	32	86	82	43	121	117	114	106	105	88
July ..	59	56	27	85	80	45	102	97	96	105	102	92
August ..	59	55	23	99	88	61	102	95	82	122	113	125
September ..	70	68	37	93	86	61	121	117	132	115	110	125
October ..	66	63	40	89	87	59	114	109	143	110	112	120
November ..	40	44	16	66	67	40	69	76	57	81	86	82
December ..	40	43	16	58	63	35	69	74	57	72	81	71
Winter ..	45	47	19	61	65	36	78	81	68	75	83	73
Equinox ..	67	67	37	90	86	59	116	116	132	111	110	120
Summer ..	63	59	29	92	83	52	109	102	104	114	106	106
Year ..	58	58	28	81	78	49	—	—	—	—	—	—

* 1914–1922 for V.

Whereas in 1922 the mean annual ranges differed but slightly from the means for the years 1911–1921 or 1912–1922 (or for V, 1914–1922), the mean ranges in 1923 were considerably less than the means for the eleven (or nine) year period. The mean ranges in N and in W for the seasons and year were 25 to 30 per cent. less than in 1922, but in V the relative decrease in range was somewhat greater. With the exception of the mean range in N in December, the range in each component was in every month less in 1923 than in 1922. The mean annual ranges in N and W were the smallest since those in 1913, whilst the range in V was the smallest since that in 1914.

On the days January 8th, 19th, November 18th, 20th, 24th, December 17th, 22nd, the daily range in either N or W did not exceed 21γ, and on each day the range in V was either 7 or 8γ.

The frequency distribution of absolute daily ranges recorded in 1923 is shown in Table VIII, which also contains the percentage distribution for the period 1912–1922, or 1914–1922.

TABLE VIII.—FREQUENCY DISTRIBUTION OF ABSOLUTE DAILY RANGE.

Range.	Number of Cases 1923.			Percentage Distribution.					
				N.		W.		V.	
γ.	N.	W.	V.	1923.	1912-22.	1923.	1912–22.	1923.	1914–22.
0–9	0	0	41	0·0	0·1	0·0	0·1	11·4	5·2
10–19	19	8	124	5·2	2·8	2·2	1·8	34·5	18·4
20–29	37	40	118	10·1	5·7	11·0	4·9	32·9	23·9
30–39	47	59	32	12·9	7·8	16·2	7·7	8·9	14·8
40–49	76	71	11	20·8	10·1	19·5	11·5	3·1	9·1
50–59	59	57	11	16·2	13·0	15·6	13·1	3·1	5·3
60–69	41	48	2	11·2	13·4	13·2	13·3	0·6	4·8
70–79	31	30	4	8·5	9·5	8·2	12·1	1·1	3·5
80–89	15	17	2	4·1	8·0	4·7	7·7	0·6	2·7
90–99	8	10	1	2·2	6·3	2·7	6·9	0·3	2·3
100–109	5	3	1	1·4	5·3	0·8	4·5	0·3	1·2
110–119	3	6	4	0·8	3·6	1·6	3·2	1·1	1·2
120–129	9	2	0	2·5	3·0	0·5	2·6	0·0	0·9
130–139	2	3	2	0·5	2·4	0·8	2·0	0·6	0·9
140–149	2	1	0	0·5	1·4	0·3	2·2	0·0	0·6
150–159	4	1	0	1·1	1·2	0·3	1·1	0·0	0·7
160–169	1	2	0	0·3	1·1	0·5	0·8	0·0	0·5
170–179	0	0	1	0·0	0·8	0·0	1·0	0·3	0·4
180–189	0	1	0	0·0	0·7	0·3	0·6	0·0	0·5
190–199	1	1	0	0·3	0·5	0·3	0·6	0·0	0·3
200+	5	5	5	1·4	3·6	1·4	2·4	1·4	2·9
Days omitted	0	0	6	—	—	—	—	—	—

TABLE IX.—PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT ESKDALEMUIR, 1923.

Where the beginning of a disturbance has been marked by a "sudden commencement," the serial number is followed by an asterisk (*), and the time entered in t second column is that of the sudden commencement, estimated to the nearest minute. In other cases, the exact hour nearest the time at which disturbance may regarded as having begun is entered in the second column. To the tabulated values of maximum and minimum the following have to be added:— N, 15000 W, 4000 γ; V, 44000 γ.

No.	From	To.	North Component.					West Component.					Vertical Component.				
			Max.	Time.	Min.	Time.	Range	Max.	Time.	Min.	Time.	Range	Max.	Time.	Min.	Time.	R
	d h m	d h	γ	d h m	γ	d h m	γ	γ	d h m	γ	d h m	γ	γ	d h m	γ	d h m	
1	Feb. 24 22	Feb. 26 6	1093	25 21 41	890	26 0 6	203	726	25 21 21	592	25 23 14	134	996	25 21 8	846	26 2 26	
2	Feb. 27 6	Feb. 28 2	1090	27 22 23	934	27 20 9	156	710	27 12 59	570	27 20 17	140	1004	27 18 31	908	27 23 10	
3	Mar. 24 9	Mar. 27 8	1141	24 21 26	896	25 2 33	245	848	24 17 10	479	24 21 26	369	1104	24 17 21	812	25 3 24	
4	Apr. 20 0	Apr. 24 6	1074	22 18 50	944	22 11 30	130	719	21 14 22	610	{21 3 28 23 1 42	109	978	20 19 18	892	22 24 0	
5	May 16 21 16	May 19 8	1102	17 18 12	938	18 1 41	164	730	17 14 38	598	17 18 6	132	1027	17 18 6	848	18 1 55	
6	May 29 10	May 31 4	1084	30 17 2	963	30 11 14	121	726	29 14 28	607	29 21 3	119	993	{29 18 30 30 16 51	918	29 12 0	
7*	June 3 19 10	June 5 20	1051	4 22 46	955	5 11 30	96	709	5 4 34	624	5 7 18	85	957	5 18 47	901	5 5 8	
8*	June 12 20 28	June 15 8	1091	14 18 18	932	13 2 55	159	732	13 14 35	573	13 2 20	149	989	13 17 0	914	14 2 5	
9	June 30 6	July 1 8	1119	30 17 28	964	30 18 3	155	791	30 17 33	624	30 9 3	167	1079	30 18 3	947	30 11 43	
10	July 9 14	July 12 6	1083	11 18 58	946	10 11 43	137	728	10 13 42	622	11 1 10	106	997	10 20 10	937	10 2 20	
11	July 22 21 26	July 23 24	1087	22 23 59	986	23 12 0	101	697	23 13 50	580	23 2 51	117	991	23 17 30	933	23 5 32	
12	Aug. 2 23	Aug. 4 12	1066	3 1 31	941	3 10 52	125	699	3 12 24	614	4 6 59	85	1002	3 20 12	941	4 4 50	
13*	Aug. 12 21 2	Aug. 14 8	1081	13 20 14	990	13 9 59	91	698	13 13 28	615	13 21 22	83	993	13 21 14	963	14 5 30	
14	Sept. 26 3	Sept. 28 6	1097	27 2 20	749	27 1 40	348	745	27 22 16	443	27 1 36	302	1067	27 17 35	724	27 1 46	
15	Oct. 14 21	Oct. 17 10	1110	15 19 40	809	16 23 40	301	732	15 15 20	473	16 22 3	259	1063	15 16 28	770	16 23 42	
16	Nov. 2 0	Nov. 3 8	1082	2 21 22	941	2 9 48	141	728	2 6 55	564	2 21 48	164	973	2 16 38	931	3 1 40	
17	Dec. 25 12	Dec. 27 6	1090	26 20 51	936	26 13 50	154	666	26 2 14	530	26 20 36	136	982	26 17 0	920	27 1 14	

† During this disturbance the vertical component record was defective until June 13d 11h.

For both horizontal components the interval of maximum frequency was 40–49γ, and in each case the range on 50 per cent. of the days fell within the interval 30–59γ. Thus the range interval of maximum frequency was definitely smaller than in 1922, and the scatter of distribution was decidedly less. Rather more than one-third of the V ranges fell within the interval 10–19γ, and only slightly more than 20 per cent. of the ranges in this component exceeded 29γ, the distribution of V ranges being somewhat similar to that in 1914. In 1923 there were 11 days on which the range of a horizontal component was 160γ or more ; the numbers of such days in 1919, 1920, 1921, 1922, were 55, 36, 27, 32 respectively.

Principal Magnetic Storms during 1923.—Particulars of the principal magnetic storms recorded during the year are given in Table IX. The magnetograms for the most highly disturbed days are not reproduced in this volume, but photographic copies may be obtained on application to the Director, Meteorological Office, Air Ministry, Kingsway, London, W.C.2.

Remarks on the Autographic records for Terrestrial Magnetism, 1923.

January.—The month was one of the quietest of the year, and there was no outstanding disturbance. In the moderate disturbance of the 13th and 14th the largest changes occurred in W. After two of the quietest days of the month a small preliminary movement at 20d 3h 4m appears to have initiated the largest disturbance, which continued throughout the 20th and 21st. Moderately large changes in N occurred between 22h and 24h on the 20th and near 24h on the 21st ; and in W between 22h on the 20th and 3h on the 21st. The degree of disturbance on 22nd and 23rd was above the average for the month. After three or four very quiet days moderate disturbance ensued on the 29th and 30th. Short period pulsations of small amplitude and a few minutes period occurred in N and W as follows :— near 6d 20h ; near 8d 1h ; shortly before 11d 2h ; between 16d 21h and 16d 22h ; and between 17d 22h and 18d 1h. A smooth bay-shaped movement in W, in which the component attained a value of about 25γ above the undisturbed, was centred at 10d 4h 12m.

February.—During this month conditions were generally more disturbed. In a bay-shaped movement between 18h 30m and 19h 40m on the 1st W fell to a value more than 50γ below the undisturbed. Associated with this were an irregular wave movement (range 59γ) in N and a small flat peak in V. Somewhat similar associated movements, but in which a wave is superposed on the W bay, occurred between 18h and 20h on the 2nd, between 20h and 22h on the 6th, and between 20h and 24h on the 14th. During otherwise moderate disturbance on the 17th there was a prominent peak in N, centred at 19h 30m, N being then about 96γ in excess of the undisturbed value.

The last days of the month were marked by fairly considerable disturbance. The storm which began gradually after 24d 22h reached its maximum development between 25d 14h and 26d 4h. In N and W a double oscillation of some magnitude occurred between 20h and 22h on the 25th, the ranges in this interval being N, 141γ ; W, 100γ. In V there were no particularly rapid changes ; a rounded maximum at 25d 16h 50m, followed by a relatively quiet period, was repeated by another at 20h 25m and at 21h 8m by a sharp peak maximum of about the same magnitude as the two former. The fall from the peak was sharp at first but was interrupted by two periods of partial recovery, the minimum value being reached at 26d 2h 26m. During the greater part of the 26th conditions were much less generally disturbed, but the following associated movements may be noted :—N increased by 101γ between 20h 29m and 20h 36m, and decreased to approximately the undisturbed value at 21h 5m ; W fell sharply 48γ between 20h 27m and 20h 32m and then in the ensuing four minutes increased by 40γ ; V decreased sharply by about 10γ between 20h 32m and 20h 36m. There was fresh onset of disturbance on the 27th, and between 18h and 23h on that day several prominent oscillatory movements occurred in N

and W. In V the main features of the larger movements bear a considerable resemblance to those on the 25th–26th, although the range was smaller and corresponding phases occurred earlier, the minimum being reached at 23h 10m. Moderate disturbance continued on the 28th. V reached a not very prominent maximum at 17h 45m which coincided approximately with the culmination of a bay movement in W in which that element fell about 85γ below the undisturbed value. A wave movement occurred in N between 17h and 18h 30m, the range being 73γ.

March.—Mainly quiet conditions prevailed during the period 1st to 13th. Disturbance of moderate character occurred from the 14th to the 17th. Somewhat conspicuous bays in which W fell below the undisturbed value were centred at 18d 21h 50m and 20d 21h 5m.

A storm of considerable intensity began about 24d 9h, and therefore approximately 27 days after the first of the disturbances at the end of February. The maximum activity was developed between 24d 16h and 25d 6h*. Between 17h and 18h 30m and between 21h 20m and 23h prominent oscillatory movements occurred in N and W. In the former period the ranges in N and W were 127γ and 262γ. Between 21h 20m and 21h 26m N increased rapidly by 163γ, reaching its maximum value at the latter time, and then between 21h 37m and 21h 46m decreased by 175γ. During the six minutes commencing at 21h 20m W decreased by 133γ and then in the ensuing six minutes increased by 150γ. W was below the normal value from 24d 18h to 25d 6h. V increased after 12h on the 24th and reached a sharp maximum at 17h 21m. In the next five minutes a decrease of 62γ occurred and was followed immediately by oscillations, of diminishing amplitude, which continued until nearly 19h. V then decreased gradually by about 90γ until shortly after 21h when there was an irregular rise of about 43γ to a sharp peaked secondary maximum at 21h 26m or 27m. In the ensuing 19 minutes V decreased by 141γ. This was followed by an irregular partial recovery, lasting until 25d 0h 40m, after which there occurred a further fall of 118γ in an hour, and after another temporary recovery the minimum value was reached at 25d 3h 25m. The subsequent recovery was fairly rapid at first but then more gradual. The ranges during this storm were N, 245γ; W, 369γ; V, 292γ. Conditions continued to be disturbed on the 25th, 26th, 27th, the degree of disturbance being greater during the third than in the second 24-hour period following the beginning of the storm.

The following associated movements took place shortly after 0h on the 31st in an otherwise fairly quiet period:—N increased by 33γ between 0h 23m and 0h 28m, remained fairly steady until 45m and then gradually decreased, reaching its undisturbed value at 1h 15m; W increased by 37γ between 0h 21m and 0h 30m and then gradually decreased to the undisturbed value at 1h 15m; V fell gradually by 18γ between 0h 23m and 1h 0m, and then rose very slowly. The initial rise in N and in W was accompanied by small short period pulsations.

April.—The early days were comparatively quiet, the 5th being one of the quietest of the month. Moderately large disturbance occurred late on the 10th. There was short period agitation between 10h and 14h on the 11th which was followed by larger disturbance later that day and during the 12th, the most noticeable changes occurring between 22h and 24h on the 11th and between 16h and 22h on the 12th. Further fairly large disturbance occurred between 13d 21h and 14d 4h; between 0h 33m and 0h 55m on the 14th. N increased by 62γ and W decreased by 75γ between 22h 7m and 22h 37m on the 13th. After four quiet days disturbed conditions developed during the 20th and continued until the 24th, most activity being shown during the latter part of the 22nd and the early hours of the 23rd. Between 20h and 21h on the 24th a bay movement in W, in which W fell below the undisturbed value, was associated with a wave in N and a small flat peak in V, movements similar to those between 18h and 19h on February 25th. Apart from comparatively slight

* On March 24th auroral displays were witnessed from the Hebrides, Fifeshire, Cumberland, and from the vicinity of Eskdalemuir.

disturbance near 22h on the 29th, conditions were quiet on the remaining days of the month. Small oscillations of a few minutes period are in evidence on the N and W records on several occasions during the month.

May.—After two quiet days disturbance of a moderate character developed on the 3rd. Between 3d 22h 35m and 3d 22h 46m there occurred in N a fairly sharp rise (on which were superposed small oscillations) amounting to 49γ. This was followed by an irregular fall, of 82γ, which continued until 23h 50m. There were periods of moderate disturbance on the 4th, 5th, 7th and 8th, but the succeeding four days were quiet.

The largest disturbance of the month was apparently initiated by a small movement, with some of the characteristics of a " sudden commencement," which occurred at 16d 21h 16m. The intervals of greatest activity were between 17d 13h and 18d 6h. It is of interest to note that there is an approximately 27-day interval between this disturbance and that which developed during April 20th. The largest movements in N and W occurred between 17d 13h and 17d 19h, and between 17d 21h and 18d 4h. The maximum value of N occurred in a sharp peak at 17d 18h 13m and the minimum value of W at 17d 18h 9m. N reached its minimum at 18d 1h 43m. In V there was a fairly sharp but not very high maximum at 17d 18h 6m and this was followed by a somewhat irregular fall to a minimum at 18d 1h 56m. The ranges during this disturbance were :—N, 182γ ; W, 131γ ; V, 176γ. Somewhat disturbed conditions continued on the 18th, 19th and 20th. Small peak movements in N shortly after 18h and between 20h and 21h on the 18th resemble on a smaller scale those which occurred at approximately the same times on the 17th.

The period 22nd to 27th was quiet.

The second and smaller of the two largest disturbances of the month began at about 10h on the 29th and continued throughout that day and the following.

June.—A small and rather slow " sudden commencement " at 3d 19h 10m was followed by comparatively slight disturbance, which continued until about 5d 20h. Bay-shape movements in N and V, in which both elements fell below the undisturbed value, occurred between 3h and 5h and between 4h and 7h, respectively, on the 5th. Comparatively moderate disturbance occurred after 10h on the 6th. Conditions were quiet on the 9th and 10th.

A rather large disturbance* began with a not particularly sharp " sudden commencement " at 12d 20h 28m, and therefore 27 days after the small movement which apparently marked the beginning of the disturbance of May 17th. N and W remained above the undisturbed value for rather more than three hours after the " sudden commencement." Both N and W reached a minimum between 2h and 3h on the 13th. The interval between 3h and 11h on the 13th was marked by considerable short period fluctuations in N and W. Disturbance continued throughout the 13th and 14th, but was less on the latter day. A prominent rounded maximum in N occurred at 14d 18h 18m.

The period 16th–20th was comparatively quiet ; but disturbance of a moderate character ensued on the 21st and 22nd. Quiet conditions prevailed again during the 23rd to 25th, but were followed by moderate disturbance on the 27th and 28th.

The second of the larger disturbances of the month commenced gradually shortly before 6h on the 30th. In N and W greatest activity occurred between 14h and 19h. Oscillations in N culminated in a maximum at 17h 28m, which was followed by a minimum at 18h 3m, the range between the two extreme values being 155γ. W reached its maximum at 17h 33m ; this was followed by a fall of about 55γ in the ensuing ten minutes and between 17h 54m and 18h 4m by a sharp fall of 85γ. The rise in V, which began at 12h and terminated in a fairly sharp maximum at 18h 3m, was accompanied by oscillations of increasing magnitude. From 18h 3m V decreased gradually, but there was no prominent minimum.

* There was no V record of this disturbance until 13d 10h.

July.—A small disturbance commenced with small pulsatory movements in N and W at 1d 21h 22m and continued until about 2d 23h. The curves were moderately disturbed on the 6th and 7th, and during the afternoon of the 8th.

What was apparently another of the series of disturbances separated by intervals of about 27 days developed gradually after 9d 14h. The first prominent changes were bay-shape movements centred near 10d 2h and in the course of which N rose above, and W and V fell below, the undisturbed value; the early stages of the bay in N and W were accompanied and preceded by small short period pulsations. After a comparatively quiet interval disturbance became general from 10d 10h until 11d 6h. There was further disturbance, but of less intensity, from 11d 11h to 12d 4h.

Short period pulsations in N, and to a less degree in W, were in evidence almost continuously from 9h to 18h on the 13th.

The moderate disturbance on the 18th appears to have been initiated by a series of small short period pulsations in N and W between 21h and 22h on the 17th.

A movement, at 22d 21h 26m, which may be described as a doubtful "sudden commencement," was followed by comparatively moderate disturbance, which subsided by midnight on the 23rd.

In addition to the occasions already noted short period pulsations in one or both of the horizontal components occurred as follows:—Near 4d 9h; near 7d 13h and 7d 21h; near 11d 19h; near 15d 20h; near 16d 22h; near 18d 23h; between 21d 17h and 21h; near 24d 2h; between 27d 22h and 24h; near 30d 20h; between 31d 2h and 3h, and between 31d 21h and 24h.

August.—As in the preceding month, general magnetic activity was low. The largest disturbance commenced shortly before midnight on the 2nd and continued until the 4th, but exhibited no very conspicuous features. A "sudden commencement" occurred at 12d 21h 2m and was followed on the next day by disturbance of a very moderate character. A somewhat sharp rise of 9γ in V, between 13d 20h 25m and 20h 30m, was accompanied by falls of 67γ and 27γ in N and W respectively. A double oscillation or wave occurred between 0h and 2h 30m on the 31st.

Short period pulsations occurred in N or W or both N and W at or near the following times:—2d 2h; 5d 18h and 24h; 6d 2h; 7d 13h and 14h; 8d 20h; 9d 24h; 11d 2h; 12d 22h; 16d 20h; 18d 11h to 16h; 19d 22h to 24h; 21d 23h; 22d 23h; 31d 0h to 2h.

September.—Conditions were mainly quiet until near the end of the month.

The storm which began about 3h on the 26th and continued for rather more than 48 hours, was in some respects the largest of the year. In N the largest changes occurred during two or three conspicuous wave movements between 1h and 6h on the 27th. This component reached a sharp minimum, 267γ below the mean value for the month, at 1h 40m and then increased by 348γ in the ensuing 40 minutes. W was considerably below the undisturbed value from 26d 21h to 27d 3h and again during the greater part of the interval 27d 18h–24h. The evening maximum in V on the 26th was only about 25 or 30γ in excess of the undisturbed value. After 21h on the 26th V decreased with but one interruption to a sharp minimum at 27d 1h 46m. The subsequent recovery was irregular until 5h 30m, but then more rapid and smooth. The maximum in V occurred at 27d 17h 35m. A secondary minimum in V occurred at 27d 22h 30m and was preceded between 22h 0m and 22h 20m by a fall of 138γ.

October.—Apart from very moderate disturbance on the 10th and 11th, conditions were quiet during the first half of the month.

One of the principal disturbances of the year began somewhat abruptly shortly after 21h on the 14th and continued until about 10h on the 17th. In the horizontal components the periods of greatest activity were from 15d 12h to 16d 4h and from 16d 12h to 17d 6h. N was mainly below normal from 8h to 23h on the 15th and from 10h on the 16th to 10h on the 17h. The defect of W from the normal value was most

marked during the interval 16d 17h to 17d 2h. For about 10 hours after the commencement of the storm V was slightly below normal, and then rose to a maximum at 15d 16h 28m. A minimum at 15d 23h 23m was followed by an irregular rise to a second maximum, only slightly less than that on the 15th, at 16d 16h 44m. This was followed by an irregular fall to the principal minimum at 16d 23h 42m. In the ensuing 18 minutes there was a rise of about 38γ but in the next four hours the recovery was very slow. The absolute ranges of the components during the storm were N, 301γ; W, 259γ; V, 293γ.

The latter part of the 17th and the 18th were moderately disturbed. A rather prominent bay-movement in N was centred at 27d 8h 30m.

November.—In some respects this was the quietest month of the year. Conditions were particularly quiet on the 18th and 20th. The character figure 2 was assigned to only one day, viz., 2nd. On that day fairly considerable disturbance between 6h and 11h was followed by a calm interval of some hours duration, but shortly before 21h there was a fresh onset of disturbance which did not subside until about 6h on the 3rd. There was disturbance of moderate character on the 12th and also, but to a less degree, during the evening hours of the 13th. A very slight disturbance, of short duration, in which N and W were mainly in excess of their undisturbed values, began abruptly shortly after 15h on the 21st and ceased abruptly about five hours later. The moderate disturbance between 22d 16h and 23d 3h was most developed in W. Conditions were moderately disturbed on 27th–30th. A fairly prominent peak in N centred at 29d 22h 43m was apparently repeated in a similar but smaller movement at 30d 20h 50m.

December.—This also was a quiet month, the highest magnetic character figure being assigned to only one day, viz., the 26th. The 17th and 22nd were very quiet days. The run of the curves during a moderate disturbance between 9d 15h and 10d 3h is somewhat similar to that during the interval November 22d 16h to 23d 3h. Fairly prominent movements in which N rose above the undisturbed value, in otherwise quiet or only slightly disturbed conditions, occurred near 1h and 24h on the 15th and near 22h on the 20th.

There was an apparently isolated period of disturbance between 18h and 22h on the 23rd; N and W being below and V above the respective undisturbed values. In this interval N fell to a value about 53γ below the undisturbed value, W about 88γ below the 18h value, and V rose 26γ above the 18h value. Disturbance increased during the 24th and 25th, reached its maximum on the 26th, and subsided by the 29th.

SEISMOLOGY.

Notes on Instruments.—As in previous years the instruments in use were three Galitzin pendulums, with galvanometric registration, arranged to record earth displacements in the north, east and vertical directions. The installation is situated in ground floor rooms of the principal building of the Observatory, the pendulums being placed on massive concrete pillars which extend down to boulder clay and are independent of the floor.

For detailed descriptions of the Galitzin seismographs and for particulars of the interpretation of the records, reference may be made to *Vorlesungen über Seismometrie* by the late Prince B. Galitzin, to *Modern Seismology* by the late G. W. Walker, or to *Dictionary of Applied Physics*, Vol. III.

No determination of the constants of the instruments was made in 1923, but it is considered that no serious error has been introduced by using the values found in 1915 and 1916 (see *British Meteorological and Magnetic Year Book*, 1915). It may be stated that the Galitzin vertical pendulum is particularly sensitive to temperature changes, and as the temperature variation in the room is fairly considerable frequent adjustments of the pendulum are necessary. For this reason the records

from this instrument are regarded as only qualitative in certain respects. At the same time it must be noted that the vertical record is an important factor in the determination of an epicentre from the records of an earthquake at a single station.

The situation of the Observatory is such that the effect of wind produces undesirably large disturbances on the records, and on occasions the reading of an earthquake record is rendered quite impossible by the large and more or less irregular but persistent wind disturbance.

During 1923 the clockwork recording drums gave considerable trouble and in consequence of this several records were lost or spoiled.

Notes on Tables :—*Earthquakes.*—The Earthquake Diary, Table 283, contains the particulars of the earthquakes recorded by the Galitzin instruments. The notation employed is as follows :—

P is the time of arrival of the first phase (longitudinal waves). S is the time of arrival of the second phase (transverse waves). L is the time of arrival of the long waves (surface waves).

PR_1, PR_2 . . . are longitudinal waves reflected once, twice . . . at the earth's surface, prior to their arrival at the station. SR_1, SR_2 . . . similarly denote reflected transverse waves. Any times given for reflected waves refer to the beginning of the disturbance at the observatory.

M_1, M_2 . . . are the times of successive maxima of the displacement of the ground, corrected, if necessary, for the lag of the instrument.

i is the sudden commencement of a phase. *i*P means a sudden commencement of the P phase. *e* means an indistinct commencement of a phase. F is the end.

T, the period in seconds, is the duration of a double oscillation (to-and-fro movement). μ represents a micron (0·001 mm.).

Δ is the distance in kilometres of the epicentre measured along the arc of the great circle passing through the station. α is the azimuth of the epicentre (0° to 360°) measured from north through east. The distance is estimated from Klotz's *Seismological Tables* (Publication of the Dominion Observatory, Ottawa, Vol. III, No. 2), which are also used for computing the time at which the disturbance originated. This time of origination is denoted by the letter O.

A_n, A_e are the amplitudes of the components of the true displacement of the ground from the position of rest, and are measured in microns. When the displacement shown by the north-south seismograph is to the north a + sign is shown ; for a displacement to the south a — sign is used. Similarly + is used for displacement to the east, — for displacements to the west. When the oscillations are of a simple harmonic character no sign is prefixed to the amplitude. (For reasons mentioned in the foregoing, values of A_z are not given.)

The suffixes N, E, Z indicate that the estimates refer to the records from the north-south, east-west and vertical seismographs respectively.

Microseisms.—Microseisms are the small and often extremely regular tremors which are practically always in evidence on the seismograph records. The periods range to something more than 8 seconds, and the larger periods are generally associated with larger amplitude. At Eskdalemuir the amplitudes are usually confined to the range 0 to 8μ. These minute tremors attain their greatest development in the winter months, and on occasion render the interpretation of earthquake records exceedingly difficult and sometimes impossible. Microseisms of the type referred to are believed to arise from other than purely local causes, but the precise nature of their origin remains in doubt. Although their period corresponds with that of sea waves there is evidence that the breaking of the latter on coasts does not afford a complete and satisfactory explanation of the known facts with regard to microseismic movement. There is evidence of a relationship between the travel of cyclonic disturbances in eastern seas and microseismic movement in China and Japan*, and evidence of a somewhat similar nature has been adduced in favour of a connection between microseismic movement and atmospheric pressure gradient in Europe and Canada.

In Table 284 are given the amplitude and period of the microseisms shown by the North component Galitzin seismograph on each day at 0h, 6h, 12h and 18h G.M.T. The group of waves of greatest amplitude occurring in the 30 minutes centering at the hour in question is selected, and the amplitude tabulated is the mean obtained from two or three waves in that group. The period is derived from a measurement made in the same group.

* E. Gherzi. *Étude sur les Microséismes.* Observatoire de Zi-ka-wei, 1924.

In computing the mean period occasions of zero amplitude are omitted. For reasons already mentioned there were no records on a number of days.

The mean values of amplitude and period for each month of 1923 and for the year, together with the means for the years 1911–1922, are given below.

MICROSEISMS. MONTHLY AND ANNUAL MEANS.

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1923	Amplitude (μ) ..	2·6	2·9	1·4	1·3	0·7	0·6	0·3	0·7	0·9	1·5	1·6	2·1	1·4
	Period (secs.) ..	6·2	6·5	6·1	5·4	4·9	4·8	4·4	4·8	5·8	5·1	5·1	5·7	5·4
1911 to 1922	Amplitude (μ) ..	2·5	2·3	1·8	1·2	0·7	0·5	0·3	0·5	0·9	1·2*	1·8*	2·3*	1·3
	Period (secs.) ..	6·0	6·0	5·7	5·3	4·7	4·6	4·3	4·4	5·0	5·2*	5·7*	5·9*	5·2

* Mean for 11 years only.

The occasions of the largest microseismic amplitude in 1923 were :—January 9th–10th (6 to 7μ) ; January 19th–21st (7μ) ; February 6th–9th (6 to 7μ) ; February 26th–27th (6 to 7μ) ; October 8th–10th (5 to 6μ). The following notes on the changes in amplitude during those occasions and on the associated meteorological changes may be of interest and exemplify the difficulties encountered in seeking to determine the primary cause of microseisms :—

January 9th–10th.—The increase in amplitude was very noticeable after 9h on 9th. The maximum amplitude occurred between 9d 18h and 10d 0h. The amplitude decreased during the 10th. During the 9th a depression with a well-defined centre moved eastwards from south of Iceland. The centre passed the extreme north of Britain about 10d 1h. On the western coasts there were high westerly winds, becoming north-westerly on the 10th. There was a general, but not very marked, increase in sea disturbance at most places on the coast between 9d 7h and 9d 18h.

At Strasbourg the largest amplitude occurred at 9d 18h.

January 19th–21st.—Microseismic amplitude increased rapidly between 18h and midnight on the 19th, reaching 7μ at the latter time. The amplitude remained high throughout the 20th and diminished during the 21st. In the early part of the 19th, the British Isles were under the joint influence of an anticyclone to the south-west and of the southerly extension of a deep depression between Greenland and Scandinavia. Later on the 19th, a cold north-westerly air current invaded the northern and eastern districts of the British Isles, the wind on the western coasts reaching gale force in places on the 20th. Later on that day the wind force abated. The direction became westerly on the 21st. At most coastal stations sea disturbance increased during the 19th but diminished in the north and west during the 20th.

At Strasbourg the largest amplitude during this period occurred at 12h on 20th, and there were further large amplitudes (5 to 6μ) on 21st and 22nd. According to one school of thought, the large values on 21st and 22nd might be attributed to the influence of a well-developed depression centred near Sardinia on those days.

February 6th–9th.—The amplitude of microseisms increased during the early hours of the 6th and again on the 7th, remaining high during the greater part of that day and on the 8th and 9th. The largest amplitudes measured occurred near 7d 12h, 8d 18h, and 9d 0h. Throughout the 6th and 7th a large depression situated over the Atlantic influenced the British Isles and Western Europe. The wind was mainly

southerly, being high or gale force in many places. The influence of the large depression was apparently less direct on the 8th, but on that day and the following, secondary depressions developed over the British Isles and neighbouring continental districts, the wind speed being generally considerably less than on the 7th, save in the Shetland Isles. At 8d 18h and 9d 7h sea disturbance on British coasts was less generally than on the 7th. This point is of some interest, for high microseismic amplitudes were recorded during the later hours of the 8th and early hours of the 9th.

At Strasbourg the largest amplitudes occurred at 8d 0h and 8d 18h.

February 26th–27th.—The amplitude of microseisms increased gradually during the 26th and reached a maximum in the early hours of the 27th. The general activity of the microseisms was less than on the two occasions noted in January. On the 26th a very deep depression moved eastward from the Atlantic to Ireland. The centre remained over the British Isles during 27th and 28th but the depression became gradually less intense. High winds and gales occurred off the British and French coasts. At most parts of the British coast sea disturbance increased between 7h and 18h on 26th.

This occasion was marked by a notable development of microseisms at Strasbourg. The amplitude (north component) increased during the 26th from 2μ to 13μ, and values in excess of 10μ were recorded throughout the 27th.

October 8th–10th.—Owing to failure of time marks, values of the amplitude are not given in Table 270 from 8d 6h to 9d 6h, but it may be stated that the amplitude increased fairly rapidly from 9d 6h, the largest values being recorded between 9d 9h and 9d 15h. During the night of the 8th–9th a depression moved eastwards from south of Iceland and increased in intensity. At 9d 7h the centre was near Faröe Islands, and by 18h on that day the centre was approaching Norway. Throughout the 9th high winds or gales, from west to north-west, prevailed over the western and northern parts of Britain.

At Strasbourg the amplitude of microseisms increased during the 9th and decreased during the 10th, the largest values occurring between midday and midnight on the 9th.

Readings in millibars at exact hours, Greenwich Mean Time.

111. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) =237·3 metres. **January, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	972·6	973·3	974·0	974·8	975·6	976·3	977·3	977·8	978·8	979·5	979·9	980·1	980·2	980·3	980·4	980·4	980·0	979·7	979·4	979·0	978·4	977·7	977·1	975·5	977·8
2	974·1	973·3	972·5	971·5	970·4	969·0	967·7	966·8	965·2	964·6	963·6	964·0	963·9	963·7	963·0	962·4	961·5	960·2	959·6	958·8	958·4	957·9	958·6	958·8	964·9
3	959·4	959·6	959·2	958·9	959·5	960·3	961·9	962·7	963·2	964·1	964·5	964·4	964·6	964·4	964·0	964·8	966·1	967·2	969·1	970·8	971·6	972·9	974·3	976·0	**964·8**
4	978·2	980·0	980·6	981·4	982·1	982·9	984·0	985·2	986·5	987·5	987·7	987·9	987·9	988·1	988·6	988·6	988·4	988·2	988·0	987·8	987·6	987·0	986·0	985·4	985·5
5	984·0	982·6	981·4	979·9	978·6	977·0	975·8	973·8	972·2	971·0	970·1	968·0	966·9	966·2	967·2	967·7	968·1	968·9	970·6	972·1	973·5	974·0	975·1	975·8	973·6
6	976·6	977·4	977·8	978·0	978·6	979·4	979·9	981·3	982·0	983·2	983·6	983·8	984·4	984·9	985·0	985·5	985·5	985·8	985·8	985·6	985·4	984·7	983·7	982·5	982·4
7	981·0	979·6	978·4	977·2	976·5	975·9	975·6	975·8	976·3	977·0	977·5	977·3	976·7	976·0	975·8	975·6	975·6	975·4	975·4	975·1	975·1	975·6	975·1	975·0	976·6
8	974·8	974·2	973·4	972·6	972·5	972·6	974·6	976·7	977·9	978·5	979·0	979·5	980·2	981·8	982·3	982·5	983·5	984·1	984·3	984·7	984·4	983·3	982·6	981·2	979·1
9	979·1	977·5	975·3	972·8	972·2	971·6	972·0	972·4	972·4	972·8	972·6	971·1	970·4	969·8	969·2	969·3	969·2	969·0	968·1	967·4	966·1	965·0	964·5	963·4	970·9
10	962·1	960·8	960·4	958·8	958·8	960·2	960·5	961·2	961·2	961·6	962·1	962·7	964·8	966·4	967·1	967·8	968·9	969·7	970·9	971·2	971·9	972·0	973·2	973·6	965·1
11	974·2	974·6	975·2	975·8	975·8	976·5	977·2	977·6	978·1	978·1	978·1	978·4	978·0	978·3	979·2	979·9	981·6	982·5	983·6	984·4	985·0	985·4	986·2	986·7	979·3
12	986·9	987·5	988·1	988·5	988·8	989·3	990·0	990·9	991·3	991·5	991·8	991·6	991·7	992·0	992·3	992·7	993·2	993·4	994·0	994·3	994·5	994·6	994·6	994·9	991·4
13	994·6	994·6	994·5	994·0	993·7	993·6	993·6	993·4	993·6	992·7	991·5	990·5	990·2	989·8	989·9	990·0	990·1	989·8	989·4	989·5	988·8	988·4	987·5	991·8	
14	987·0	986·0	985·1	984·0	983·7	983·1	983·7	983·8	984·7	986·2	987·0	987·3	987·1	988·0	988·5	988·9	989·2	989·6	989·0	989·2	989·4	989·6	990·6	990·5	987·1
15	991·0	991·7	992·4	992·6	991·8	992·8	993·1	994·7	995·4	995·5	995·6	995·3	994·9	994·7	994·7	994·7	994·6	994·0	994·4	995·0	995·6	996·2	996·4	996·5	994·2
16	996·7	997·3	997·8	997·7	997·8	997·9	998·5	999·2	999·8	999·8	999·8	999·5	999·4	999·3	999·4	999·5	999·6	999·5	999·5	999·6	999·5	999·5	999·5	999·5	998·9
17	999·3	999·2	999·2	999·1	999·0	999·1	999·2	999·5	999·7	999·6	999·8	999·8	999·4	999·3	999·5	999·6	999·8	999·8	999·9	000·0	999·9	000·0	999·9	000·0	999·7
18	000·1	000·8	000·8	999·9	999·9	999·9	999·8	000·8	001·7	002·2	002·6	002·9	003·0	003·0	002·7	002·8	003·0	002·6	003·3	003·7	003·8	003·7	002·9	002·1	002·0
19	002·2	001·4	000·8	000·9	000·7	000·0	999·6	999·7	999·0	997·0	994·7	991·8	989·9	988·7	988·2	987·1	986·4	985·6	985·1	984·0	984·2	983·8	984·5	983·5	992·8
20	983·8	983·2	983·1	983·1	981·8	981·6	981·9	983·3	986·3	988·6	989·7	991·0	991·5	992·2	993·3	994·6	995·9	996·8	997·1	997·3	997·7	997·8	997·8	997·8	990·0
21	997·8	997·8	997·2	997·0	996·5	995·8	995·1	995·0	994·8	995·3	994·6	994·7	994·2	993·9	994·4	994·0	994·6	993·6	994·8	994·7	994·7	994·9	993·8	995·0	995·2
22	995·2	995·2	995·4	994·8	994·4	993·4	993·1	992·4	992·4	992·1	992·1	991·8	991·1	990·0	990·2	990·0	991·2	993·3	994·3	996·5	998·0	999·1	000·3	000·8	993·9
23	002·0	002·5	003·0	003·4	003·9	004·0	004·2	004·3	004·1	003·2	003·0	002·8	002·1	001·0	000·4	000·0	999·0	998·8	999·1	998·1	997·4	996·7	995·9	996·3	001·1
24	996·7	996·4	996·5	996·5	996·6	996·3	996·8	997·8	998·2	998·6	999·2	998·9	998·3	998·3	998·1	999·3	999·6	999·9	000·4	000·7	001·2	001·8	002·4	002·7	998·7
25	002·9	003·0	003·0	003·1	003·1	003·2	003·2	003·9	004·2	004·2	004·2	003·6	002·9	002·3	002·3	002·6	002·5	002·5	002·6	002·5	002·5	002·7	002·8	002·2	**003·0**
26	001·6	001·2	001·5	001·5	001·6	001·2	001·9	001·7	001·5	002·0	001·8	001·7	001·2	000·9	000·5	000·3	000·2	999·8	999·4	999·0	998·3	997·8	997·4	996·8	000·6
27	996·1	995·5	994·9	994·5	994·2	993·5	993·3	993·0	993·1	992·8	992·6	992·0	991·7	991·1	991·0	991·1	991·1	990·9	991·4	991·3	991·8	991·8	992·0	992·4	992·7
28	992·5	992·7	992·7	992·7	992·8	992·9	992·9	993·5	993·5	993·7	993·9	994·1	993·8	993·0	993·2	992·9	992·5	992·0	991·9	991·6	991·1	990·3	989·6	989·4	992·5
29	988·9	987·5	986·4	985·6	984·8	984·0	983·7	984·0	984·0	984·0	983·9	983·4	983·0	982·4	982·2	982·2	982·5	982·6	982·8	983·0	983·4	983·7	984·0	984·3	984·1
30	984·7	985·3	985·8	986·0	986·7	986·8	986·9	987·4	987·9	988·0	988·4	988·2	988·0	987·4	987·2	987·1	987·2	987·3	987·1	987·1	986·5	986·1	986·3	987·0	986·9
31	986·7	987·3	987·5	987·9	987·9	987·4	987·4	987·3	987·1	987·2	986·8	986·3	985·6	984·2	983·3	982·8	982·2	981·7	981·6	979·6	980·0	979·6	979·3	979·1	984·6
Mean (Station level)	987 ·19	987 ·06	986 ·90	986 ·61	986 ·47	**986 ·37**	986 ·59	987 ·00	987 ·29	987 ·52	987 ·51	987 ·27	987 ·01	986 ·83	986 ·89	986 ·99	987 ·18	987 ·24	987 ·49	987 ·53	**987 ·63**	987 ·55	987 ·57	987 ·49	987 ·13
Mean (Sea level)	1016 ·47	1016 ·32	1016 ·17	1015 ·87	1015 ·73	**1015 ·63**	1015 ·85	1016 ·27	1016 ·57	1016 ·77	1016 ·72	1016 ·42	1016 ·14	1015 ·94	1016 ·01	1016 ·13	1016 ·35	1016 ·42	1016 ·68	1016 ·74	**1016 ·85**	1016 ·79	1016 ·82	1016 ·73	1016 ·34

112. Eskdalemuir : H_b=237·3 metres. **February, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	979·9	980·4	980·8	981·2	980·9	980·4	980·2	980·5	980·3	979·7	979·1	978·0	978·1	978·0	977·7	977·4	976·4	975·1	973·9	972·3	971·1	970·4	969·6	969·2	977·3
2	970·2	971·7	973·6	974·6	975·6	976·7	977·8	978·9	979·2	979·9	980·7	980·5	980·4	979·8	980·0	980·4	979·9	979·8	978·9	978·5	977·5	977·0	976·5	976·5	977·5
3	976·1	976·0	976·6	976·3	976·5	976·4	976·5	976·7	977·1	977·2	977·3	977·4	977·5	977·5	977·7	978·0	978·3	978·3	978·3	978·4	979·0	979·7	979·9	980·2	977·5
4	980·4	981·4	982·6	983·3	984·3	985·3	985·8	986·7	987·6	988·2	988·4	988·8	988·9	988·9	988·8	988·8	988·8	989·4	988·9	988·8	988·3	987·6	987·2	986·5	986·7
5	986·3	985·3	984·4	982·5	982·1	981·3	980·3	979·6	979·9	979·6	979·5	978·4	977·5	976·7	976·6	977·0	976·7	975·7	975·2	975·0	974·5	973·9	973·2	972·3	978·8
6	971·0	969·5	968·4	967·4	966·3	965·5	964·6	963·9	963·5	962·9	962·5	962·1	961·5	960·8	960·7	960·5	960·4	959·9	959·8	959·5	959·3	959·0	959·0	959·0	963·1
7	959·2	959·7	960·1	959·5	959·5	958·8	957·5	956·1	954·2	951·8	950·3	949·0	948·1	948·1	948·8	949·1	949·8	949·9	950·5	951·0	951·1	950·9	950·6	949·8	953·2
8	949·4	948·2	947·0	945·9	945·3	944·2	943·4	942·3	943·4	944·8	946·0	947·6	948·6	949·6	951·4	953·2	954·6	956·1	957·8	959·2	960·3	961·4	962·3	963·4	950·8
9	964·5	965·3	966·4	967·8	968·9	969·5	970·7	971·5	972·8	973·7	974·3	974·7	974·7	974·7	975·1	974·4	974·8	974·7	974·5	974·0	973·1	972·8	972·2	972·0	971·8
10	971·8	971·4	971·0	970·3	970·1	969·3	969·0	969·1	968·7	968·7	968·6	968·0	967·2	967·2	967·6	967·4	968·0	968·7	969·2	969·7	970·2	970·3	970·9	971·3	969·3
11	971·4	971·5	971·7	971·1	971·5	971·5	971·7	972·1	972·5	972·8	972·9	973·1	973·2	973·2	973·1	973·4	973·9	974·6	975·2	975·8	976·5	976·4	977·6	978·1	973·4
12	978·7	979·4	979·9	980·5	981·1	981·7	981·8	982·0	982·1	982·5	982·9	983·2	983·3	983·8	984·0	984·1	984·7	985·1	985·6	985·8	986·3	986·7	987·1	987·5	983·1
13	987·6	988·3	988·7	989·5	989·7	989·9	990·3	990·5	991·0	991·3	991·6	991·5	991·4	991·4	991·1	991·3	991·2	991·0	991·0	991·1	991·0	991·0	991·1	991·1	**990·5**
14	990·9	990·8	990·5	990·3	990·2	989·9	989·8	989·7	989·7	989·6	989·5	989·4	989·1	988·7	988·5	988·3	988·1	988·2	988·1	988·0	987·9	987·7	987·5	987·5	989·1
15	987·3	986·8	986·3	986·1	985·3	985·0	984·2	983·9	983·8	983·0	982·8	982·3	981·8	981·0	980·6	980·1	979·6	979·4	979·4	979·0	978·1	978·1	977·6	977·5	982·3
16	977·2	976·9	976·6	976·5	976·4	976·3	976·3	976·5	976·6	976·6	976·7	977·0	977·0	976·7	976·9	976·9	976·8	977·2	977·2	977·2	977·0	977·0	977·0	976·6	976·8
17	976·3	976·1	975·6	975·6	976·0	976·6	977·2	977·4	978·2	978·9	979·2	979·8	980·6	980·4	980·5	980·4	980·3	980·4	979·7	979·0	978·7	977·9	977·0	976·3	978·3
18	975·1	974·1	972·5	970·8	969·5	968·7	967·5	967·1	966·7	966·1	964·4	964·5	964·5	964·5	964·7	965·1	964·9	965·2	965·9	966·6	967·0	967·4	967·7	967·9	967·6
19	968·0	968·0	968·1	968·4	968·9	969·3	969·7	970·3	970·7	971·1	971·6	971·8	972·2	972·4	972·6	972·9	973·3	973·7	974·5	975·1	976·0	976·3	976·8	977·3	971·8
20	977·5	977·6	977·8	977·8	978·3	978·4	978·9	978·9	979·1	979·5	979·3	978·9	978·4	978·1	977·3	976·9	976·3	976·0	974·6	973·9	973·2	972·2	971·6	970·9	976·9
21	969·8	968·4	966·6	964·9	964·1	963·0	962·2	961·0	959·8	959·1	959·1	959·1	958·9	958·8	958·7	958·8	958·9	959·1	959·1	959·2	959·2	959·2	959·1	959·3	961·3
22	959·4	959·5	959·4	959·2	959·0	959·0	958·9	959·0	959·0	959·1	959·1	959·1	958·9	958·5	958·4	958·4	958·5	958·8	958·8	958·8	958·8	958·9	958·9	958·9	958·9
23	959·3	959·3	959·5	959·7	960·0	960·3	960·8	961·2	961·5	962·1	962·1	962·2	962·5	962·6	962·8	962·8	962·9	963·5	963·7	963·7	963·8	963·9	963·9	963·9	961·9
24	963·8	963·6	963·4	963·3	963·5	963·5	963·7	964·1	964·5	965·0	965·3	965·7	965·9	966·5	967·0	967·4	968·1	968·7	969·3	969·7	970·4	970·6	970·8	971·1	966·3
25	971·1	971·1	970·9	970·9	970·9	970·9	970·8	970·7	970·6	970·5	970·5	970·3	969·6	969·2	969·0	968·3	968·3	968·3	968·2	967·7	967·4	967·0	966·7	966·1	969·5
26	965·7	964·8	963·7	962·6	961·1	959·5	957·2	955·2	953·5	951·5	949·3	948·3	947·1	945·4	944·0	942·6	941·9	941·2	940·3	939·4	938·1	937·2	936·9	936·8	949·9
27	936·8	936·5	936·0	935·8	935·6	935·4	935·5	935·9	936·5	937·1	937·6	937·9	938·1	938·3	938·8	939·6	940·7	942·0	942·9	943·5	945·2	946·2	947·2	948·5	**939·2**
28	949·7	950·0	950·8	951·4	952·2	952·8	953·4	954·2	954·7	955·5	955·7	955·9	956·1	956·0	956·0	956·2	956·5	957·0	957·5	957·7	958·0	958·3	958·8	959·1	954·9
Mean (Station level)	**970 ·51**	970 ·41	970 ·32	970 ·11	970 ·10	969 ·97	969 ·85	969 ·82	969 ·90	969 ·92	969 ·87	969 ·80	969 ·68	**969 ·53**	969 ·59	969 ·63	969 ·74	969 ·89	969 ·93	969 ·91	969 ·89	969 ·82	969 ·81	969 ·81	969 ·92
Mean (Sea level)	**999 ·44**	999 ·34	999 ·24	999 ·04	999 ·04	998 ·92	998 ·80	998 ·76	998 ·83	998 ·82	998 ·74	998 ·63	998 ·49	**998 ·33**	998 ·38	998 ·43	998 ·59	998 ·79	998 ·85	998 ·84	998 ·82	998 ·74	998 ·72	998 ·72	998 ·82
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Note. When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

113. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) =237·3 metres. **March, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	959·7	960·3	960·9	961·5	962·2	963·0	963·9	964·6	965·2	966·0	966·8	966·9	966·9	966·9	966·5	966·1	965·7	965·2	964·4	963·5	962·4	961·2	959·8	958·7	963·7
2	957·6	956·6	956·1	956·0	956·5	956·9	957·0	957·6	957·5	956·9	956·9	956·8	956·2	955·8	955·5	955·1	955·1	955·1	954·9	954·8	954·5	954·3	954·4	954·6	**956·0**
3	954·8	954·9	955·1	955·2	955·7	956·6	957·7	959·2	960·4	962·1	963·3	964·4	965·6	966·7	967·8	968·8	969·9	970·5	972·0	973·0	974·1	975·4	976·4	977·5	964·4
4	978·5	979·5	980·6	981·7	982·8	984·0	985·4	986·1	987·4	987·7	988·9	989·1	989·4	989·8	990·0	990·1	990·7	990·9	991·4	991·4	991·6	991·3	990·9	990·4	987·2
5	990·3	989·3	988·8	987·5	986·5	986·2	985·1	984·2	983·5	983·0	982·3	981·3	980·8	980·5	980·5	980·6	980·8	981·4	982·2	982·9	983·2	984·8	985·0	985·1	984·1
6	985·1	984·9	984·1	983·5	982·9	982·0	981·3	980·1	979·9	978·2	977·5	976·4	975·3	974·6	974·1	973·7	973·4	973·4	973·4	972·9	972·6	972·3	971·9	971·2	977·6
7	970·3	968·7	968·6	967·8	967·5	967·2	966·9	967·0	967·7	968·5	969·1	971·2	972·8	974·2	975·6	976·8	978·3	979·3	980·5	981·5	982·4	983·2	984·0	984·4	973·6
8	984·8	985·1	985·3	985·8	986·2	986·9	987·9	988·1	988·5	989·5	989·8	990·1	990·5	990·5	991·1	991·7	992·1	992·8	993·3	993·9	994·0	994·1	994·3	994·5	989·8
9	994·5	994·3	994·2	994·2	994·1	994·0	994·1	994·3	994·3	993·9	994·0	993·7	993·5	993·0	992·7	992·3	992·5	992·4	992·6	992·3	992·0	991·6	991·4	990·9	993·3
10	990·4	989·8	989·7	988·9	988·8	987·8	987·7	987·6	987·5	987·2	986·9	986·8	986·3	985·7	985·0	984·6	984·2	984·1	984·2	984·3	984·6	984·7	985·0	985·2	986·7
11	985·3	985·7	985·9	986·4	986·9	987·3	987·8	988·5	989·1	989·7	990·0	990·0	990·0	990·1	990·1	990·1	990·2	990·8	991·5	991·0	990·9	991·1	990·8	991·1	989·1
12	991·1	990·7	990·2	990·1	990·0	989·5	989·4	989·4	989·1	988·6	987·9	987·5	986·4	985·3	984·3	983·8	983·0	982·5	981·6	981·5	981·4	981·2	981·2	981·7	986·3
13	981·9	982·3	983·5	984·3	985·2	986·5	987·9	989·1	990·5	991·8	991·8	992·8	993·2	994·0	994·7	995·1	995·7	996·8	997·4	998·1	998·5	999·1	999·3	999·7	991·7
14	999·8	999·8	999·9	999·9	000·1	000·4	000·8	001·0	001·1	001·6	001·6	001·6	001·5	001·2	000·8	000·7	001·2	001·6	001·7	001·7	001·7	001·9	002·1	001·9	001·0
15	001·9	001·9	001·8	001·6	001·6	001·5	001·6	001·6	001·2	001·2	001·1	000·7	000·1	999·8	999·1	999·5	999·6	999·6	999·6	999·4	999·3	999·2	999·2	999·3	000·5
16	999·3	999·0	988·6	988·7	988·7	988·8	999·3	999·9	000·0	000·1	000·1	000·1	000·2	000·2	000·0	000·0	000·0	000·1	000·4	000·5	001·1	001·4	001·1	001·4	001·5	998·3
17	001·5	001·4	000·9	000·8	001·0	001·0	001·1	001·8	002·1	002·5	002·6	002·9	002·6	002·4	002·0	002·3	002·6	002·9	003·4	003·4	003·5	003·8	004·1	004·5	002·3
18	004·5	004·0	004·0	004·0	003·9	003·9	004·1	004·1	004·5	004·4	004·3	004·4	004·1	003·4	002·9	002·7	002·7	003·0	003·0	003·2	003·2	003·1	002·8	002·4	**003·6**
19	002·4	002·1	001·9	001·2	001·0	000·6	000·5	000·0	999·6	999·1	998·9	998·5	998·2	998·0	997·0	996·9	996·7	996·9	996·9	997·0	997·1	997·0	996·9	996·8	998·9
20	996·5	996·2	995·8	995·4	994·8	995·0	994·9	994·8	995·0	994·9	994·7	994·2	993·5	992·5	992·3	992·0	992·1	992·1	992·9	993·2	993·4	993·6	993·5	993·5	994·1
21	993·3	993·2	992·9	992·7	992·7	992·8	992·7	992·8	992·8	992·6	992·1	991·2	991·1	991·0	991·0	991·0	991·0	991·1	991·1	991·1	991·1	991·1	991·1	991·1	992·0
22	991·1	991·1	990·8	990·8	990·8	990·8	991·0	991·0	991·1	990·6	990·5	990·1	989·7	988·8	988·6	988·2	988·0	988·0	988·2	988·5	988·4	988·5	988·1	988·1	989·7
23	987·9	987·4	987·4	987·3	987·2	987·0	987·0	987·0	987·1	986·9	986·8	986·3	985·6	985·2	984·6	984·4	984·4	984·5	985·2	985·4	985·3	985·2	985·2	984·9	986·1
24	984·7	984·7	984·6	984·6	984·9	985·3	985·3	985·8	986·0	986·0	986·0	986·0	985·9	985·9	985·9	985·9	986·0	986·6	987·0	987·8	988·4	988·4	988·6	988·6	986·1
25	988·6	988·6	988·4	988·3	988·1	988·1	988·4	988·3	988·2	988·0	987·9	987·9	988·0	987·9	987·9	988·5	989·1	989·8	990·8	991·6	992·3	992·9	993·3	993·9	989·3
26	994·2	994·5	994·7	994·7	995·0	995·3	995·4	995·6	995·6	995·6	995·1	994·9	994·1	993·5	992·8	992·4	992·3	992·0	991·8	991·7	991·7	991·3	991·0	990·5	993·6
27	990·1	989·7	989·2	988·4	988·0	987·6	987·4	987·4	987·4	986·9	986·9	986·7	986·3	985·7	985·1	984·6	984·0	983·9	983·8	983·9	983·9	983·9	984·1	984·4	986·3
28	984·2	984·1	984·4	984·7	985·1	986·0	986·5	987·0	987·6	988·2	988·6	988·7	989·0	989·2	989·6	989·6	990·0	990·6	991·1	991·5	991·9	992·0	992·5	992·9	988·4
29	993·1	993·4	993·6	993·8	994·0	994·4	994·6	995·2	995·2	995·6	995·4	995·4	995·3	995·2	995·0	995·0	995·0	995·3	995·8	996·0	996·2	996·3	996·7	996·8	995·0
30	996·8	996·8	996·8	996·8	996·8	997·1	997·4	997·5	997·5	997·4	997·4	997·2	996·6	995·8	995·3	994·9	994·8	994·7	994·5	994·5	994·4	994·4	994·2	994·1	996·0
31	993·4	992·8	992·2	991·7	991·4	991·2	991·1	990·8	990·6	989·6	989·4	988·9	988·5	988·0	987·4	987·1	986·9	986·8	986·4	986·0	986·0	985·9	985·8	985·8	989·1
Mean (Station level)	987 ·99	987 ·83	987 ·45	**987 ·37**	987 ·43	987 ·57	988 ·10	988 ·30	988 ·49	988 ·53	988 ·55	988 ·50	988 ·30	988 ·09	987 ·91	987 ·89	988 ·00	988 ·22	988 ·49	988 ·65	988 ·76	988 ·84	988 ·87	**988 ·90**	988 ·19
Mean (Sea level)	1017 ·42	1017 ·27	1016 ·89	**1016 ·79**	1016 ·88	1017 ·02	1017 ·55	1017 ·71	1017 ·80	1017 ·72	1017 ·66	1017 ·52	1017 ·26	1017 ·00	1016 ·82	1016 ·84	1017 ·04	1017 ·36	1017 ·74	1017 ·97	1018 ·10	1018 ·21	1018 ·28	**1018 ·31**	1017 ·45

114. Eskdalemuir : H_b=237·3 metres. **April, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	985·8	985·8	985·6	985·5	985·6	985·7	985·8	985·9	986·7	986·9	986·9	987·0	987·4	987·6	987·9	988·3	988·8	989·4	990·5	990·9	991·6	992·4	993·1	993·2	987·9
2	993·3	993·8	994·1	994·1	994·4	994·7	994·9	995·2	995·5	995·6	995·5	995·5	995·2	994·9	994·8	994·3	994·1	994·1	994·1	994·2	994·2	994·2	994·0	993·8	**994·5**
3	993·5	993·3	993·0	992·8	992·5	992·5	992·4	992·3	991·9	991·3	991·0	990·6	990·0	989·4	988·9	988·6	988·0	987·3	987·3	986·9	986·8	986·4	985·7	985·4	990·1
4	982·5	983·6	983·0	982·4	982·2	981·8	981·6	981·6	981·3	980·7	980·6	980·6	980·2	980·0	979·8	979·6	979·5	979·5	979·4	979·4	979·5	980·0	980·0	980·0	980·9
5	979·9	979·9	979·8	979·7	979·6	979·6	979·9	980·3	980·5	980·6	980·5	980·2	980·2	979·9	979·9	979·7	979·7	980·4	981·0	981·6	982·2	982·1	982·6	982·7	980·5
6	982·8	982·8	982·7	982·5	982·4	982·3	982·1	982·0	981·8	981·5	981·2	980·8	980·4	980·0	979·4	979·1	978·9	978·8	978·7	978·5	978·4	978·4	978·1	978·0	980·6
7	977·9	977·6	977·5	977·5	977·6	977·8	978·1	978·4	978·6	978·6	978·7	979·0	979·1	979·4	979·6	979·7	980·3	980·6	980·9	981·5	982·1	982·5	982·9	983·2	979·4
8	983·4	984·0	984·1	984·4	985·0	985·7	986·3	986·4	986·6	986·8	987·6	987·5	987·4	987·7	987·6	987·6	987·8	988·0	988·5	989·1	989·2	989·2	989·1	989·1	986·9
9	989·1	989·0	988·7	988·6	988·5	988·4	988·3	988·1	988·1	987·9	987·7	987·4	986·5	986·1	985·4	985·4	985·0	984·9	984·8	984·5	984·3	983·6	982·9	982·2	986·6
10	981·3	980·3	979·3	978·7	978·4	977·9	977·6	977·4	977·5	977·5	977·7	978·0	978·1	978·5	978·6	978·7	978·7	979·4	980·1	980·2	980·2	980·0	979·4	978·8	978·9
11	977·7	977·0	976·3	976·0	975·7	976·0	976·3	976·5	976·8	977·1	977·3	977·3	977·3	977·3	977·1	977·0	977·0	976·7	977·1	977·3	977·3	977·5	977·5	977·2	977·0
12	976·5	975·7	974·3	973·7	973·2	973·1	972·5	972·3	971·5	970·8	970·2	969·7	968·9	968·1	967·7	966·7	966·2	965·5	964·9	964·3	963·5	962·3	961·7	961·7	969·3
13	961·1	960·8	960·4	960·3	960·2	960·2	960·3	960·4	960·6	960·5	960·5	960·3	960·3	960·4	960·4	960·3	959·9	959·7	959·4	959·2	959·0	959·1	959·1	959·1	**960·1**
14	959·0	959·0	958·9	959·0	959·0	959·2	959·6	959·8	960·1	960·5	961·1	961·7	962·2	962·8	963·6	964·4	964·7	965·6	966·7	967·1	967·4	968·0	968·3	968·7	962·6
15	969·0	969·1	969·2	969·5	969·7	970·2	970·4	970·8	971·0	971·5	971·6	972·0	972·3	972·3	972·5	973·1	973·5	974·0	975·2	976·0	976·9	977·5	978·0	978·2	972·4
16	978·7	979·0	979·6	980·0	980·6	981·5	982·1	982·7	983·2	984·0	984·3	984·5	984·9	985·0	985·1	985·2	985·2	985·3	987·2	987·7	988·3	988·5	988·9	989·7	984·0
17	989·8	990·1	990·3	990·4	990·7	990·8	991·0	991·2	991·3	991·5	991·5	991·5	991·5	991·1	990·8	990·6	990·4	990·5	990·5	990·7	990·8	990·8	990·8	990·6	990·8
18	990·2	989·5	989·3	988·9	988·6	988·5	988·3	987·7	987·4	986·4	986·1	985·5	985·1	984·7	984·4	983·9	983·5	983·2	983·2	983·2	982·9	982·7	982·3	982·1	985·9
19	981·7	981·3	981·0	980·7	980·7	980·8	980·9	980·9	980·9	980·8	980·9	980·8	981·2	981·3	981·3	981·3	981·3	981·3	981·4	981·9	982·2	982·7	982·8	983·1	981·4
20	983·1	983·1	983·1	983·1	983·1	983·2	983·6	983·7	983·8	984·0	984·1	984·1	984·2	984·2	984·0	983·7	983·7	983·8	984·0	984·4	984·8	985·5	985·8	985·7	983·9
21	985·4	985·0	984·4	982·9	982·8	982·9	983·0	982·9	982·9	982·3	981·6	980·8	980·5	980·4	980·2	980·3	980·4	981·3	982·0	982·8	982·9	983·2	983·8	984·5	982·5
22	984·2	984·4	983·8	983·9	984·0	984·4	984·5	984·5	984·6	984·4	984·2	984·0	983·9	983·7	983·3	983·2	983·2	983·0	982·9	983·1	983·1	982·8	982·7	982·5	983·7
23	982·1	981·7	981·6	981·1	980·9	980·9	980·9	980·9	981·0	981·0	982·7	983·4	983·5	984·0	984·1	984·5	985·4	985·9	986·6	986·9	987·4	987·7	987·9	988·0	983·7
24	988·4	988·0	988·0	989·0	989·0	989·1	989·3	989·5	989·5	989·7	989·4	990·1	988·7	987·9	987·0	986·1	985·7	984·5	983·9	982·9	981·5	980·5	978·3	976·0	986·6
25	973·3	970·8	968·4	965·0	963·9	962·5	961·8	961·5	961·7	962·1	961·2	961·7	961·0	961·4	961·2	960·9	960·9	960·8	960·4	960·2	960·0	960·0	959·7	959·5	962·9
26	959·4	959·0	958·8	958·8	958·7	959·0	959·5	959·8	959·9	960·1	960·3	960·4	960·9	962·0	962·9	963·9	964·9	966·2	968·1	969·7	971·1	972·2	972·8	974·6	963·1
27	975·8	976·5	977·2	978·3	979·2	979·9	980·5	981·0	981·4	981·7	981·7	981·8	981·7	981·6	981·0	981·0	981·0	980·9	980·9	981·1	981·1	981·2	981·2	981·3	980·2
28	981·1	980·9	980·9	980·8	980·8	980·7	980·3	980·2	979·9	979·4	979·0	978·9	978·9	978·0	977·6	977·1	976·7	976·5	976·6	976·7	977·3	977·4	977·5	977·7	978·9
29	977·4	977·2	977·2	977·4	977·4	977·3	977·4	977·5	977·7	977·7	977·7	977·8	978·2	978·6	978·6	978·5	978·3	978·6	978·7	979·0	978·6	978·0	977·4	976·7	977·9
30	975·9	975·0	974·6	974·2	973·9	974·0	974·2	974·4	974·6	974·8	974·7	974·9	975·2	975·2	974·8	974·8	974·8	974·8	974·6	975·5	976·5	977·2	978·5	978·6	975·2
Mean (Station level)	979 ·98	979 ·79	979 ·53	979 ·31	979 ·28	979 ·35	979 ·46	979 ·53	979 ·62	979 ·64	979 ·61	979 ·56	979 ·52	979 ·45	979 ·31	**979 ·24**	979 ·24	979 ·34	979 ·65	979 ·88	980 ·04	**980 ·12**	980 ·09	980 ·06	979 ·61
Mean (Sea level)	1009 ·24	1009 ·03	1008 ·78	1008 ·57	1008 ·53	1008 ·57	1008 ·57	1008 ·55	1008 ·54	1008 ·49	1008 ·42	1008 ·34	1008 ·27	1008 ·18	1008 ·03	**1007 ·97**	1007 ·99	1008 ·16	1008 ·60	1008 ·92	1009 ·14	**1009 ·28**	1009 ·27	1009 ·27	1008 ·61
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

115. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) = 237·3 metres. **May, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8	9	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	978·8	979·3	979·9	980·4	980·9	981·8	982·5	983·8	984·4	984·6	984·9	985·6	985·9	986·4	986·6	986·6	986·7	986·9	987·4	987·7	988·4	988·7	988·8	989·3	984·6
2	989·9	990·3	990·6	990·6	991·0	991·5	992·1	992·6	992·8	993·5	993·6	993·8	993·9	993·9	993·9	993·9	994·0	994·0	994·5	995·0	995·2	995·2	995·0	994·6	993·0
3	994·3	993·8	993·5	992·6	992·3	992·2	992·1	991·8	991·3	990·8	990·4	990·4	990·0	989·5	989·0	988·7	988·2	988·2	988·2	988·2	988·2	988·2	988·2	988·2	990·5
4	987·9	987·5	987·3	987·2	986·7	986·3	986·1	985·9	985·5	985·4	984·9	984·7	984·7	984·5	984·4	983·9	983·9	983·9	983·0	984·2	984·2	984·2	984·0	983·9	985·3
5	983·8	983·8	983·8	983·6	983·6	983·6	983·6	983·8	983·8	983·9	983·5	983·2	982·9	982·8	982·1	981·8	981·3	980·9	980·1	979·7	979·6	979·5	979·1	979·1	982·3
6	979·1	979·1	979·4	979·5	980·0	980·5	980·9	981·3	982·4	982·7	983·1	983·4	983·6	983·7	983·9	984·4	985·0	985·7	986·2	986·7	987·5	988·0	988·3	988·7	983·3
7	988·9	989·1	989·5	990·0	990·4	991·0	991·2	991·5	991·7	991·5	991·3	991·1	991·2	990·9	990·6	990·5	990·3	990·4	990·5	990·8	990·8	990·1	990·5	989·8	990·5
8	989·4	989·3	988·8	988·5	988·1	988·1	988·1	988·1	987·8	987·8	987·6	987·6	987·0	986·7	986·6	986·5	986·2	985·9	985·6	985·6	985·5	985·4	984·9	984·2	987·2
9	983·6	983·2	982·7	982·0	981·1	980·5	980·0	979·3	978·6	978·2	978·0	977·5	977·3	976·7	976·5	976·6	976·8	977·5	978·2	979·6	980·4	980·8	981·2	981·5	979·5
10	982·1	982·2	982·6	982·8	982·7	982·7	982·5	982·1	981·5	980·6	979·7	978·4	977·2	975·5	972·9	970·2	968·3	965·6	964·2	964·0	962·3	961·1	959·8	957·8	974·6
11	956·8	956·6	956·9	957·3	957·4	957·6	957·8	958·0	958·6	959·2	959·9	960·4	961·3	961·8	962·6	963·3	964·0	964·0	964·4	965·0	965·6	965·8	965·9	966·3	**960·9**
12	966·2	966·2	966·4	966·6	966·8	966·9	966·8	967·1	966·9	967·3	967·4	967·3	967·5	968·2	967·6	967·6	967·7	968·0	968·3	968·5	968·7	968·8	968·6	968·3	967·4
13	967·8	967·3	966·6	966·0	965·5	965·4	965·4	965·1	965·0	965·1	965·3	965·5	965·8	966·2	966·3	967·2	967·4	967·4	968·9	969·1	969·5	969·9	970·5	971·0	967·0
14	971·3	971·3	971·6	972·1	972·5	972·6	972·7	972·6	971·9	972·0	971·9	971·1	971·0	970·3	970·3	970·2	970·1	970·0	969·7	969·6	969·5	969·5	969·5	969·4	971·0
15	969·5	969·7	969·6	970·1	970·3	970·6	970·7	970·9	971·5	971·6	971·4	970·9	970·9	970·4	970·1	969·7	969·6	969·2	969·3	969·3	969·5	969·5	969·4	969·2	970·1
16	969·1	969·0	969·0	969·2	969·7	970·2	970·4	971·1	971·8	972·2	972·5	972·7	973·2	974·3	974·4	974·3	975·0	975·4	976·2	977·0	977·4	977·6	977·6	977·9	973·0
17	978·0	978·0	978·2	978·7	978·9	979·2	979·5	980·0	980·2	979·0	979·9	980·2	980·8	981·4	982·2	982·6	983·4	983·6	984·5	985·1	985·9	986·4	986·4	986·7	981·4
18	986·9	987·1	987·2	987·4	988·2	988·4	988·9	989·2	989·2	989·0	988·9	988·9	988·9	988·5	988·1	987·8	987·5	987·2	986·5	986·2	986·4	986·1	985·5	985·0	987·7
19	983·9	983·3	982·6	982·1	981·6	981·5	981·0	980·9	980·4	980·1	979·8	979·6	979·5	979·5	979·2	979·1	979·1	979·1	979·0	979·0	979·0	979·0	978·9	978·5	980·4
20	978·2	977·6	977·4	977·2	977·0	976·5	976·2	976·2	975·7	975·3	975·2	974·8	974·5	974·0	973·6	973·2	972·8	972·8	973·0	973·0	973·5	973·8	974·0	973·7	975·1
21	973·6	973·9	973·7	974·6	975·9	976·4	977·1	977·2	977·8	977·8	978·7	979·2	979·7	979·9	980·2	980·4	980·5	980·9	981·3	981·7	982·1	982·6	982·7	982·8	978·6
22	982·8	983·1	983·1	983·2	983·5	984·0	984·4	984·7	985·0	985·7	985·9	986·0	986·0	986·3	986·3	986·6	986·6	986·7	986·7	986·8	986·8	986·8	986·8	986·9	985·4
23	987·0	986·9	986·8	986·8	986·8	986·8	986·8	986·8	986·8	987·7	987·7	988·4	988·4	989·0	989·1	989·1	989·1	989·1	990·2	990·7	991·3	991·6	992·2	992·3	988·5
24	992·4	992·4	992·4	992·4	992·4	992·6	992·6	992·3	992·2	991·4	990·6	990·0	989·9	989·5	988·7	988·1	987·0	986·2	984·7	983·5	982·3	981·7	981·1	981·0	988·9
25	979·9	979·6	979·0	977·8	977·7	977·5	977·0	978·4	978·7	978·9	978·9	979·4	979·3	979·7	979·5	979·9	980·1	980·5	980·9	981·1	981·5	981·3	981·0	981·0	979·6
26	980·6	980·5	981·0	980·6	980·9	981·0	982·0	982·3	982·7	983·1	983·2	983·6	984·0	985·0	985·3	985·6	986·0	986·7	986·9	987·2	987·5	987·5	987·7	987·9	984·0
27	987·9	988·0	988·1	988·2	988·5	988·8	989·2	989·4	989·6	990·7	991·3	991·4	992·2	992·4	992·7	992·5	992·7	993·2	993·6	993·7	993·7	994·0	994·1	994·0	991·1
28	993·7	993·4	993·4	993·2	992·9	993·4	993·4	994·0	994·3	994·5	994·7	995·0	995·0	995·6	995·8	996·0	995·5	995·6	995·9	997·1	997·6	998·4	998·6	998·5	995·1
29	998·4	998·6	998·5	998·6	998·6	998·5	998·9	999·0	998·7	998·3	998·2	998·0	997·7	997·3	997·2	996·6	996·6	996·5	996·5	996·5	996·3	996·2	996·2	996·0	**997·6**
30	995·3	994·9	994·6	994·4	994·1	994·1	994·5	994·4	994·4	994·4	994·6	994·6	994·6	994·4	994·3	994·2	994·4	994·4	994·7	995·5	996·2	996·5	996·6	996·7	994·9
31	996·5	996·6	996·5	996·5	996·5	996·7	996·7	996·7	996·9	996·9	996·9	996·8	996·9	996·6	996·4	996·1	995·7	995·6	995·7	995·8	996·0	996·6	996·6	996·0	996·4
Mean (Station level)	982 ·37	982 ·31	982 ·28	**982 ·26**	982 ·34	982 ·48	982 ·65	982 ·78	982 ·84	982 ·88	982 ·90	982 ·89	982 ·93	982 ·93	982 ·79	982 ·68	982 ·63	982 ·62	982 ·76	983 ·00	983 ·17	**983 ·25**	983 ·22	983 ·10	982 ·74
Mean (Sea level)	1011 ·52	1011 ·50	1011 ·51	1011 ·51	1011 ·59	1011 ·63	1011 ·66	1011 ·68	1011 ·66	1011 ·66	1011 ·58	1011 ·57	1011 ·60	1011 ·59	1011 ·43	**1011 ·32**	1011 ·34	1011 ·40	1011 ·60	1011 ·97	1012 ·21	1012 ·33	**1012 ·35**	1012 ·26	1011 ·66

116. Eskdalemuir : H_b = 237·3 metres. **June, 1923.**

Day.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	996·0	996·2	996·1	995·0	995·8	995·7	996·2	996·6	996·8	996·5	996·3	996·3	996·3	996·3	996·3	996·3	996·3	996·3	996·9	997·2	997·9	998·3	998·7	999·1	996·6
2	999·5	999·6	999·5	999·6	999·8	000·0	000·2	000·2	000·1	999·4	999·3	998·9	998·3	998·1	997·5	997·1	996·7	996·4	996·3	996·2	996·2	996·1	996·0	995·9	**998·3**
3	995·5	995·2	995·2	994·6	994·0	993·8	993·4	993·2	992·7	992·0	990·9	989·1	989·8	989·2	989·1	989·0	987·7	987·2	986·6	986·1	986·2	986·3	986·0	986·3	990·6
4	986·8	987·1	987·5	988·0	987·3	988·1	988·4	988·7	989·0	988·8	988·7	988·3	988·3	988·1	987·5	987·2	987·1	986·7	986·6	986·5	986·6	986·7	987·1	987·1	987·6
5	987·1	987·1	987·1	987·1	987·1	987·1	987·1	987·0	986·9	986·7	986·5	986·0	885·7	985·3	984·7	984·3	983·8	983·0	981·8	981·6	982·0	982·7	983·0	983·1	983·3	985·1
6	983·9	984·1	984·3	984·7	985·3	985·4	986·4	986·7	987·1	987·2	987·3	987·6	987·8	987·8	987·9	988·1	988·3	988·6	988·9	989·2	989·6	989·8	990·0	990·3	987·2
7	990·4	990·4	990·4	990·4	990·6	990·9	991·1	991·4	991·6	991·6	991·4	991·3	991·3	991·2	990·9	990·9	990·6	990·0	989·8	989·3	989·1	988·4	987·9	987·8	990·3
8	985·5	985·0	984·4	983·7	983·0	982·2	982·0	981·3	980·1	979·0	978·8	978·1	977·9	977·6	977·0	976·8	976·5	976·4	976·0	976·0	976·0	975·9	975·4	975·5	979·4
9	975·8	975·0	974·4	974·0	974·5	974·3	975·2	975·3	976·3	976·1	976·0	976·6	977·0	977·0	977·1	977·3	977·3	977·6	977·8	978·1	978·3	978·4	978·4	978·0	**976·5**
10	977·8	977·8	977·5	977·6	977·7	977·9	977·9	977·8	977·6	978·1	978·1	978·5	978·8	979·3	979·1	979·4	979·8	980·2	980·7	982·6	983·1	983·9	984·3	985·2	979·5
11	986·0	986·3	987·0	988·4	988·5	989·8	990·9	991·5	992·2	993·3	994·5	995·0	996·1	996·6	997·2	997·8	998·5	998·3	999·2	999·8	000·2	000·4	000·3	000·4	994·2
12	000·3	000·2	999·7	999·4	999·0	998·0	997·9	997·0	995·9	994·9	994·2	993·0	991·8	991·2	990·5	989·8	989·6	989·5	989·4	989·5	989·4	989·1	988·7	987·5	993·8
13	986·6	985·8	985·2	983·6	983·4	983·1	982·1	982·3	983·1	983·5	983·0	983·1	984·1	984·5	984·7	985·2	985·6	985·4	986·0	986·2	986·4	987·0	987·9	988·7	984·8
14	989·4	989·8	990·5	990·9	991·6	991·8	992·4	992·8	993·0	993·4	993·5	993·5	993·4	993·0	993·0	992·6	992·2	992·2	991·9	992·0	992·2	992·2	992·1	991·5	992·1
15	990·9	990·6	989·9	989·2	988·9	988·9	988·5	987·8	987·1	986·0	985·7	985·0	984·5	983·8	983·2	982·3	981·9	981·5	981·3	981·5	981·7	982·3	982·9	983·7	985·5
16	984·2	985·9	986·4	987·1	987·4	988·3	988·6	989·1	989·2	989·7	990·1	990·3	990·3	990·3	990·2	990·1	990·1	990·2	990·4	991·0	991·5	991·6	992·2	992·2	989·3
17	992·6	992·7	992·8	992·8	993·2	993·5	993·5	993·7	993·6	993·3	993·2	993·2	993·2	993·1	993·0	992·6	992·5	992·5	992·5	992·7	992·7	992·5	992·1	991·5	992·9
18	990·8	990·1	989·7	989·6	989·5	989·3	989·2	989·2	989·3	989·1	989·3	989·1	989·0	989·0	989·0	988·6	988·6	988·9	988·7	989·0	988·9	988·7	988·4	988·2	989·2
19	988·3	988·3	988·4	989·1	989·1	989·4	989·4	989·4	990·2	989·7	989·4	989·8	989·8	989·9	989·3	989·5	989·2	989·0	989·0	989·2	989·5	989·8	990·5	990·8	989·4
20	991·3	991·7	992·4	993·0	993·7	993·9	994·4	994·4	994·7	994·7	994·7	994·8	994·9	994·8	994·8	994·9	994·9	994·9	994·9	995·1	995·2	994·9	994·3	994·4	994·2
21	994·3	993·6	992·7	992·2	992·4	992·1	992·1	991·8	991·9	991·9	991·9	991·8	991·8	991·3	990·9	990·4	990·3	990·3	990·5	990·5	989·9	990·6	989·9	989·7	991·5
22	989·7	989·1	989·8	989·2	989·3	989·8	989·8	990·7	990·5	991·0	990·8	991·1	991·3	991·3	991·8	992·0	991·9	992·8	992·9	993·4	993·5	993·4	993·5	992·5	991·2
23	993·0	993·5	993·6	993·5	993·5	994·2	994·3	994·6	994·5	994·8	994·8	994·8	994·8	994·8	994·7	994·8	994·6	994·7	994·7	994·7	994·8	994·8	994·4	993·8	994·3
24	993·0	992·9	992·7	992·5	992·4	991·9	992·4	992·1	992·3	992·3	992·4	992·5	991·9	991·5	991·6	991·7	991·7	991·6	991·6	991·5	991·6	991·5	991·2	991·6	992·1
25	991·9	992·1	992·1	992·1	992·2	992·3	992·4	992·4	992·4	992·5	992·3	991·8	991·5	991·2	990·6	990·4	990·1	990·1	990·1	990·1	990·1	990·1	989·8	989·8	991·3
26	989·8	989·8	989·5	989·5	989·9	990·0	990·3	990·4	990·4	990·8	991·0	991·0	991·1	991·1	991·1	991·1	991·1	991·2	991·5	991·7	992·4	992·7	992·6	992·5	990·9
27	992·3	992·1	991·8	991·8	991·6	991·6	991·6	991·7	991·8	991·8	991·8	991·9	992·1	992·2	992·2	992·3	992·5	992·8	993·3	993·5	993·7	994·0	994·4	994·5	992·4
28	994·3	994·3	994·3	994·4	994·5	994·5	994·4	994·3	994·2	993·8	993·7	993·8	993·8	993·6	993·5	993·4	993·4	993·7	994·2	994·4	994·6	994·7	994·7	994·1	
29	994·7	994·7	994·7	994·7	994·7	994·7	994·8	994·8	994·8	994·5	994·5	994·3	994·0	993·3	993·1	993·0	992·8	992·5	992·4	992·3	992·2	992·1	992·0	991·7	993·7
30	991·0	990·2	990·0	989·9	989·7	989·6	989·5	989·2	988·8	988·7	988·7	988·8	988·7	988·7	988·7	988·7	988·6	988·6	988·6	988·6	988·6	988·6	988·7	988·9	989·1
Mean (Station level)	990 ·09	990 ·04	989 ·99	989 ·94	989 ·99	990 ·07	990 ·21	990 ·25	**990 ·27**	990 ·17	990 ·10	989 ·96	989 ·96	989 ·82	989 ·66	989 ·56	989 ·43	**989 ·38**	989 ·44	989 ·65	989 ·80	989 ·91	989 ·91	989 ·85	989 ·90
Mean (Sea level)	1019 ·06	**1019 ·07**	1019 ·03	1019 ·01	1019 ·02	1019 ·00	1019 ·03	1018 ·98	1018 ·91	1018 ·72	1018 ·59	1018 ·42	1018 ·37	1018 ·21	1018 ·04	1017 ·96	**1017 ·83**	1017 ·86	1018 ·01	1018 ·32	1018 ·57	1018 ·75	1018 ·78	1018 ·77	1018 ·60
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

PRESSURE.

Readings in millibars at exact hours, Greenwich Mean Time.

117. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) = 237·3 metres. **July, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	989·0	988·7	988·7	989·0	989·0	989·2	989·4	989·4	989·6	989·7	989·9	989·9	990·0	989·9	989·8	989·6	989·5	989·5	989·5	989·6	989·6	989·6	989·5	989·5	989·5
2	989·1	988·6	988·0	987·6	987·1	986·5	986·3	986·1	985·6	985·3	985·0	984·7	984·4	984·2	983·7	983·4	983·0	982·6	982·3	981·8	981·7	981·1	980·5	980·3	984·7
3	979·9	979·7	979·2	979·0	978·9	978·7	978·6	978·5	978·4	978·9	979·2	979·3	979·3	979·6	979·8	980·3	980·4	981·0	981·2	981·8	982·3	982·7	983·1	983·3	980·1
4	983·4	983·7	983·9	984·0	984·3	984·5	984·8	985·3	985·4	985·4	985·5	985·5	985·8	986·3	986·6	986·6	986·9	987·2	987·0	988·3	988·5	988·9	989·2	989·4	986·0
5	989·6	989·6	989·6	989·7	990·1	990·4	990·9	991·3	991·6	992·0	992·1	992·6	992·8	993·3	993·4	993·4	993·5	993·9	994·1	994·5	994·9	994·9	995·0	995·0	992·3
6	995·1	994·8	994·8	994·8	994·7	994·8	994·8	994·8	994·5	994·4	994·4	994·0	993·8	993·4	993·1	993·1	992·8	992·6	992·6	992·8	993·1	993·2	993·2	992·8	993·9
7	992·6	992·1	991·7	991·5	991·3	991·2	990·7	990·5	989·9	989·4	989·1	989·5	988·3	988·7	988·3	988·3	988·5	988·3	988·3	988·3	988·8	988·8	988·9	988·6	989·7
8	989·0	988·9	988·6	988·6	988·6	988·5	988·6	988·6	988·9	989·1	989·1	989·1	989·3	989·2	989·2	989·1	989·2	989·8	989·9	990·2	990·6	991·1	991·2	991·3	989·4
9	991·2	991·0	991·0	991·0	991·0	991·1	991·6	991·6	991·7	991·6	991·6	991·6	991·7	991·7	991·6	991·6	991·6	991·5	991·5	991·5	991·9	992·0	992·1	992·1	991·5
10	992·1	991·6	991·9	992·0	992·0	992·9	993·0	993·1	992·8	992·2	992·2	991·5	991·2	992·0	991·6	991·6	991·5	991·7	992·0	992·3	992·3	992·3	992·3	991·9	992·1
11	991·9	991·7	991·6	992·1	991·9	992·0	991·9	991·9	992·4	992·9	993·0	993·0	993·0	993·0	993·2	993·3	993·6	993·7	993·9	994·3	994·8	995·0	995·3	995·4	993·0
12	995·5	995·5	995·5	995·5	995·6	995·6	995·6	995·8	995·8	995·9	995·7	995·8	995·8	995·7	995·5	995·4	995·3	995·4	995·4	995·4	995·9	996·3	996·4	996·4	**995·7**
13	996·1	996·1	996·0	995·9	995·9	996·0	996·1	996·4	996·2	996·3	996·2	995·6	995·6	994·6	994·5	994·5	994·3	994·4	994·6	995·1	995·5	996·2	996·1	996·0	996·1	995·6
14	996·1	995·9	995·3	994·9	994·9	994·9	995·0	994·7	993·7	993·5	993·4	992·5	992·2	991·6	991·3	990·5	990·3	990·2	989·6	989·5	989·4	989·0	988·7	988·2	992·5
15	987·3	986·6	985·8	985·2	985·0	984·5	983·9	983·7	983·3	982·7	982·3	981·9	981·7	981·4	980·9	980·5	979·9	979·6	979·5	979·2	979·0	979·0	978·7	978·3	982·3
16	977·6	977·4	977·2	977·0	977·2	977·6	977·7	977·7	978·3	978·4	978·9	978·9	978·9	978·9	979·0	979·0	979·0	978·7	978·6	978·6	978·9	979·0	978·9	978·9	978·3
17	978·9	978·7	978·5	978·3	977·9	977·7	977·7	977·6	977·6	977·4	977·4	977·5	977·3	977·7	977·6	977·9	978·0	978·1	978·4	978·6	979·2	979·4	979·9	980·0	978·2
18	980·5	980·5	980·5	980·7	981·1	981·6	981·9	982·4	982·9	984·0	984·0	984·0	984·7	984·8	985·2	985·3	985·8	986·0	986·3	987·1	987·4	987·4	987·5	987·5	984·0
19	987·4	987·3	987·2	986·7	986·2	986·1	985·6	985·2	984·8	984·6	983·8	983·4	983·2	983·0	982·9	982·7	983·0	984·0	984·2	984·3	984·5	984·6	984·5	984·5	984·8
20	984·6	984·3	984·1	984·4	985·5	985·9	987·2	988·3	988·5	988·7	989·0	989·4	989·6	989·8	989·7	989·7	989·2	989·0	988·8	988·8	988·9	989·0	988·9	988·9	987·8
21	988·9	988·9	988·8	989·0	990·1	991·4	991·8	992·5	993·1	993·0	993·5	993·4	993·3	993·4	993·4	993·4	993·4	993·3	993·4	993·4	993·5	993·8	993·4	993·1	992·2
22	993·0	992·8	991·9	991·8	991·9	992·0	991·9	991·9	991·8	991·7	991·4	991·3	990·9	990·5	990·6	989·8	989·2	988·8	988·0	987·4	986·7	986·1	985·0	983·3	990·2
23	982·5	982·1	981·4	980·4	979·7	979·7	979·1	979·0	978·9	978·9	978·8	978·8	979·0	979·3	979·4	979·4	979·5	979·6	980·0	980·0	980·4	980·3	981·0	981·1	980·0
24	981·3	981·6	981·7	982·1	982·3	982·8	983·3	983·4	983·2	983·1	983·1	983·1	983·4	983·1	983·1	982·6	981·9	982·0	981·9	981·3	981·3	980·7	980·4	980·0	982·2
25	979·2	978·7	978·0	977·5	977·5	977·4	977·0	976·9	976·9	977·0	976·7	976·3	976·2	975·9	975·4	975·5	975·3	975·3	975·4	976·8	976·5	976·5	976·2	976·0	976·8
26	975·0	974·8	974·5	974·9	974·9	974·9	975·5	975·0	975·1	975·1	975·2	976·2	976·2	976·4	976·4	977·4	977·6	978·4	979·0	979·8	981·0	981·9	983·2	983·4	977·0
27	983·3	983·3	984·1	984·3	984·9	984·9	985·1	985·4	985·5	985·4	985·5	985·5	985·1	985·0	984·6	984·2	983·6	983·4	982·8	982·5	982·2	981·2	980·5	979·5	984·0
28	978·5	977·9	976·8	976·5	975·8	975·3	975·1	974·7	974·3	974·2	974·0	974·0	973·8	973·7	973·6	973·5	973·5	974·1	974·8	975·0	975·5	975·6	975·8	975·8	975·1
29	975·8	975·8	975·7	975·7	975·7	975·5	975·6	975·6	975·6	975·6	975·3	975·2	975·2	974·9	974·6	974·5	974·0	973·7	973·3	973·0	972·6	972·4	971·8	971·2	974·6
30	970·7	970·1	970·1	970·0	970·1	970·5	970·5	970·6	970·8	970·6	970·6	970·6	970·3	969·8	969·6	969·2	968·5	967·9	966·8	966·1	965·5	964·9	964·1	963·8	969·0
31	963·5	963·4	963·0	963·0	963·1	963·4	963·8	964·1	964·3	964·3	964·3	964·3	963·9	964·0	963·9	963·8	963·4	963·5	963·5	963·6	963·7	964·2	964·2	964·8	**963·8**
Mean (Station level)	**985** ·12	984 ·91	984 ·68	984 ·62	984 ·65	984 ·76	984 ·84	984 ·90	984 ·88	984 ·88	984 ·86	984 ·79	984 ·71	984 ·67	984 ·56	984 ·49	**984** ·36	984 ·43	984 ·45	984 ·56	984 ·74	984 ·74	984 ·69	984 ·54	984 ·72
Mean (Sea level)	**1013** ·58	1013 ·31	1013 ·09	1013 ·03	1013 ·04	1013 ·10	1013 ·13	1013 ·10	1013 ·00	1012 ·94	1012 ·89	1012 ·78	1012 ·67	1012 ·60	1012 ·50	1012 ·46	**1012** ·34	1012 ·48	1012 ·56	1012 ·75	1013 ·02	1013 ·06	1013 ·03	1012 ·91	1012 ·91

118. Eskdalemuir : H_b = 237·3 metres. **August, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	965·4	965·9	966·4	967·1	968·4	969·0	969·8	970·4	971·2	972·2	972·9	974·1	974·4	975·1	975·7	976·5	977·3	977·4	978·1	978·8	979·8	980·1	980·3	980·4	973·3
2	980·4	980·6	980·4	980·0	979·7	979·2	979·1	979·1	978·2	977·9	976·0	974·7	973·1	971·0	969·4	967·7	966·3	964·4	962·9	961·2	960·5	960·6	961·4	962·4	972·3
3	962·7	964·0	966·3	968·3	970·0	971·6	973·4	975·0	976·3	977·5	978·6	979·7	980·7	981·9	983·1	984·2	985·5	986·7	987·6	988·4	989·2	990·2	990·7	991·1	978·7
4	992·0	992·1	992·1	993·0	993·5	994·2	995·1	995·2	995·4	995·6	995·3	995·3	995·3	995·1	995·0	995·0	995·0	995·0	995·0	994·9	994·8	994·5	994·3	994·0	994·4
5	993·7	993·5	992·6	991·8	991·5	991·0	990·5	990·3	989·9	989·1	988·5	988·0	987·8	987·2	987·2	987·1	987·0	987·0	987·0	987·0	987·2	987·2	987·2	987·4	989·2
6	987·4	987·4	987·4	987·4	987·4	987·5	987·5	987·7	987·7	987·5	987·0	987·0	987·0	987·1	987·2	987·0	986·5	986·4	986·4	986·3	986·2	986·0	985·7	985·2	987·0
7	984·7	984·1	983·1	982·8	982·5	982·4	982·3	982·1	982·0	982·1	982·1	982·1	982·1	982·4	982·4	982·5	982·6	983·2	983·8	984·4	985·5	985·7	986·0	986·6	983·3
8	986·9	987·0	987·1	987·3	987·3	987·5	987·9	987·9	987·9	988·0	988·0	988·1	988·1	987·8	987·4	986·9	987·0	987·1	986·9	986·9	987·0	986·6	986·8	986·4	987·3
9	986·3	985·9	985·8	984·8	984·9	985·1	985·1	985·1	985·3	986·0	986·0	986·0	986·5	986·7	986·9	987·3	987·7	988·0	988·5	988·9	989·5	989·6	989·6	989·7	986·8
10	989·8	990·1	990·1	990·1	990·2	990·7	991·2	991·6	992·2	992·5	992·5	992·5	993·0	993·2	993·2	993·1	993·2	993·2	993·9	994·4	994·4	994·6	994·9	994·9	992·4
11	994·9	994·9	994·9	994·9	994·9	995·2	995·8	995·8	995·9	996·0	996·0	996·0	996·2	996·3	996·5	996·5	996·7	996·7	996·6	996·8	997·1	997·2	997·5	997·5	**996·1**
12	996·9	997·1	997·0	996·9	996·5	996·4	995·9	996·3	995·8	995·3	994·4	994·5	994·1	993·7	993·7	993·7	993·2	992·8	992·3	991·7	991·6	991·4	991·0	990·1	994·3
13	989·6	989·0	988·5	987·8	987·1	986·4	986·4	986·2	986·1	985·9	986·2	986·5	987·0	987·2	987·9	988·9	989·3	989·9	990·6	991·2	991·4	992·1	992·4	992·5	988·5
14	992·9	992·9	992·7	992·8	993·1	993·3	993·4	993·6	993·7	994·2	994·1	993·5	993·1	993·1	993·0	992·8	992·7	992·6	992·6	992·6	992·6	992·6	992·6	992·6	993·1
15	992·4	992·2	991·9	991·2	991·3	991·3	991·5	991·3	991·1	991·0	990·5	990·2	990·2	990·1	989·8	990·0	989·8	989·7	990·2	990·2	990·3	990·5	990·8	990·5	990·8
16	990·2	990·2	990·4	990·7	990·7	990·5	990·5	990·6	990·5	990·3	990·1	990·0	989·7	989·4	988·7	988·3	987·9	987·6	987·2	986·5	985·5	984·8	983·8	982·7	988·8
17	981·4	979·9	978·0	976·7	974·9	973·6	972·9	972·2	971·8	971·5	971·5	971·1	971·1	970·7	970·3	970·2	969·9	969·9	969·9	970·2	970·3	970·2	970·2	970·0	972·7
18	969·9	969·9	969·7	969·6	969·4	969·5	969·9	970·2	970·5	971·0	971·0	971·8	972·7	973·5	974·4	975·0	975·9	976·0	977·3	978·6	979·1	979·6	980·2	980·3	973·3
19	980·4	980·4	980·8	980·9	981·5	981·6	981·9	982·0	982·4	982·5	982·9	982·7	982·7	982·9	982·6	982·5	982·2	982·0	982·0	982·0	981·8	981·5	981·5	981·5	981·9
20	981·3	980·8	980·3	980·1	979·9	980·0	980·0	980·0	980·0	980·0	979·7	979·5	979·4	979·1	978·6	977·9	977·7	977·4	976·6	975·9	975·3	974·7	973·6	972·3	978·5
21	971·0	969·5	967·7	966·7	965·7	964·5	963·4	962·4	961·0	959·8	960·1	961·7	963·2	964·5	965·4	965·7	965·0	966·4	966·7	966·7	966·0	967·5	967·5	967·5	**965·4**
22	967·2	966·9	967·0	967·2	967·3	967·5	967·7	968·3	968·7	968·8	968·9	969·3	969·9	970·5	970·8	971·2	971·6	972·6	973·5	974·2	974·7	975·1	975·6	975·9	970·4
23	975·9	976·0	976·5	976·6	976·7	977·0	977·1	977·5	977·6	977·1	977·3	977·2	976·3	975·7	974·4	972·6	971·1	969·8	968·7	968·0	967·7	967·4	967·0	966·9	973·9
24	966·8	966·8	966·7	966·9	967·3	967·6	968·2	968·5	969·3	969·6	970·1	970·8	971·5	973·2	975·0	976·1	977·4	978·4	979·7	981·0	981·8	982·4	982·9	983·1	973·0
25	983·7	983·8	984·2	984·2	984·1	984·0	984·5	984·5	984·3	983·8	983·2	982·5	981·8	980·6	979·8	978·5	977·3	976·0	974·5	973·6	973·1	972·6	971·9	971·6	980·2
26	971·7	971·7	971·2	970·8	970·4	970·4	970·0	969·9	969·8	969·2	968·8	968·6	968·5	968·5	968·2	967·5	967·4	967·1	967·2	967·2	966·9	966·9	966·8	966·8	968·9
27	966·8	966·8	966·5	966·3	966·2	966·0	965·9	965·9	965·8	965·3	965·4	965·4	965·4	965·4	965·3	965·2	965·0	964·9	965·1	966·0	966·1	966·2	966·3	965·8	
28	966·7	966·9	967·0	967·0	967·1	967·6	967·9	968·5	969·1	969·7	970·1	971·1	972·0	973·2	973·9	974·7	975·8	976·7	977·4	978·3	979·1	979·8	979·9	980·3	972·2
29	980·3	980·5	980·4	980·4	979·7	979·7	979·0	978·8	977·8	976·9	976·2	975·4	973·6	973·0	971·8	970·6	969·5	968·2	967·1	966·3	965·7	965·3	965·3	965·8	973·9
30	966·8	967·6	968·7	969·4	970·2	971·1	971·5	972·3	973·1	973·5	974·0	974·7	975·8	975·9	976·5	976·4	976·7	977·1	977·4	977·7	977·8	977·7	978·2	978·2	973·8
31	978·2	978·1	978·0	977·9	977·9	977·9	977·8	977·8	977·8	978·2	978·2	978·1	978·1	978·3	978·3	978·5	978·7	978·9	979·3	979·6	979·8	980·1	980·2	980·4	978·5
Mean (Station level)	980 ·46	980 ·40	980 ·30	980 ·25	**980** ·24	980 ·30	980 ·42	980 ·55	980 ·59	980 ·58	980 ·52	980 ·60	980 ·67	980 ·73	980 ·74	980 ·63	980 ·63	980 ·62	980 ·69	980 ·81	980 ·92	980 ·97	**981** ·00	981 ·00	980 ·60
Mean (Sea level)	1008 ·98	1008 ·95	1008 ·84	1008 ·79	1008 ·76	1008 ·78	1008 ·81	1008 ·86	1008 ·81	1008 ·72	**1008** ·59	1008 ·64	1008 ·72	1008 ·79	1008 ·78	1008 ·72	1008 ·77	1008 ·79	1008 ·93	1009 ·14	1009 ·33	1009 ·42	1009 ·48	**1009** ·54	1008 ·90
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

119. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) =237·3 metres. **September, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	980·6	980·7	980·7	980·7	980·7	981·1	981·8	982·1	982·4	982·7	982·8	983·2	983·4	983·4	983·8	984·1	984·6	985·1	985·7	985·8	985·9	986·3	987·0	987·5	983·3
2	988·4	989·1	989·9	990·2	991·1	991·6	992·5	993·0	993·6	994·3	994·4	994·7	994·8	995·1	995·3	995·4	995·9	996·6	997·2	997·9	998·0	998·1	998·4	998·5	994·1
3	998·5	998·5	998·5	998·5	998·5	998·5	998·4	998·3	997·8	996·4	996·3	995·7	995·3	994·9	994·7	994·2	993·6	993·1	992·7	992·4	991·7	990·8	990·2	989·2	995·5
4	988·0	987·2	986·7	986·7	986·7	987·2	987·8	988·4	989·2	989·9	990·8	991·1	991·5	992·0	992·3	992·7	992·7	993·2	993·4	993·8	993·8	993·7	993·4	993·2	990·6
5	992·7	992·1	991·5	990·7	990·4	990·4	990·5	990·5	990·8	991·8	991·8	992·5	993·1	993·2	993·0	993·5	993·8	993·8	994·1	994·1	994·2	994·3	993·8	994·4	992·5
6	994·8	995·1	995·0	995·2	995·3	995·3	995·3	995·5	995·6	995·6	995·6	994·8	994·4	994·1	993·8	992·7	992·4	992·1	991·7	991·6	990·9	990·7	989·8	989·3	993·7
7	988·7	988·7	988·8	988·9	989·3	990·6	991·3	992·1	992·7	993·5	994·0	994·1	994·4	994·9	995·0	995·5	995·8	996·0	996·7	997·3	997·8	997·9	998·1	998·4	993·6
8	998·3	998·5	998·4	998·3	997·8	998·1	998·1	997·9	997·7	997·0	996·9	996·4	995·8	995·1	994·1	993·8	993·4	993·3	992·9	992·7	992·1	991·4	990·8	990·8	995·6
9	990·1	989·3	988·6	988·0	987·4	987·4	987·4	987·3	987·0	987·0	986·6	986·3	986·2	986·0	986·0	985·9	986·1	986·8	987·3	987·8	988·1	988·2	988·3	988·3	987·4
10	988·3	988·3	988·2	987·8	987·8	987·8	988·2	988·6	989·2	989·8	989·8	989·6	989·5	989·5	989·4	989·2	989·4	989·3	989·1	989·3	989·7	989·7	989·6	989·5	989·0
11	988·8	988·1	987·5	986·8	986·1	986·1	985·6	985·3	985·0	984·1	983·6	983·0	982·5	981·5	979·9	979·9	979·9	978·9	978·0	977·7	977·6	977·3	976·9	976·5	982·6
12	975·6	975·1	975·0	974·7	974·0	974·0	974·5	975·0	975·3	975·7	975·7	975·9	977·0	977·4	977·6	978·5	979·3	979·8	980·4	980·8	981·9	982·0	982·1	982·3	977·4
13	982·2	982·1	981·9	981·6	981·0	980·7	980·6	980·4	979·9	979·3	978·9	978·0	977·4	976·7	976·0	975·1	974·5	973·7	973·5	973·1	972·0	971·5	970·9	970·3	977·4
14	969·8	969·6	969·6	969·5	969·5	969·5	969·8	969·9	970·3	970·6	970·5	970·5	970·6	970·6	970·5	970·6	970·4	970·8	970·9	971·4	971·4	971·4	971·3	971·0	970·4
15	970·7	970·6	970·4	970·2	970·0	970·1	970·1	970·2	970·3	970·5	970·5	970·4	970·4	970·5	970·5	970·5	970·6	971·2	971·9	972·5	973·0	973·2	973·4	973·6	973·8	971·1
16	973·9	974·1	974·2	974·3	974·5	974·8	975·3	975·7	976·3	976·4	976·9	977·2	978·2	978·6	979·5	979·6	980·4	980·8	981·6	981·8	981·9	982·0	981·9	981·6	977·8
17	980·8	980·2	979·0	977·6	976·8	976·0	975·1	974·3	973·0	972·7	971·5	970·5	969·8	968·3	967·0	965·8	965·0	964·1	963·2	962·6	962·0	962·3	962·4	962·9	970·5
18	963·4	963·4	963·5	963·3	963·3	963·5	963·7	964·1	964·1	963·9	963·9	964·1	964·5	965·0	965·0	965·5	965·7	966·2	967·3	967·9	968·6	969·6	970·3	970·8	**965·3**
19	971·5	972·0	972·6	973·1	973·3	973·9	974·0	974·3	974·3	974·2	974·2	973·8	973·5	973·2	972·6	971·9	971·5	970·9	970·7	970·8	970·9	971·3	971·2	971·2	972·5
20	971·3	971·2	970·8	970·5	969·6	969·0	968·5	968·5	968·5	969·1	969·8	970·4	971·7	972·9	974·2	974·5	974·8	975·2	975·1	974·6	974·0	973·4	972·7	972·2	971·7
21	971·0	969·7	969·3	969·3	968·9	968·8	969·1	969·3	969·4	970·5	971·1	971·5	972·0	972·4	972·6	972·8	973·0	973·3	973·5	973·9	973·7	973·3	972·7	971·2	971·4
22	970·1	968·8	967·7	966·8	966·4	966·5	967·0	967·0	966·6	966·6	966·6	966·6	966·5	966·1	966·0	965·9	965·6	965·5	965·5	965·5	965·4	964·9	964·8	964·4	966·5
23	964·2	964·1	964·1	964·1	964·1	964·2	964·8	965·1	965·6	965·8	965·8	966·2	966·4	966·8	966·9	967·5	968·2	969·9	969·9	970·8	971·3	971·6	972·4	972·8	967·0
24	973·7	974·1	974·9	975·3	975·7	976·6	976·8	977·3	977·4	977·8	977·8	977·9	977·7	977·4	977·3	976·9	976·7	976·1	975·6	974·9	973·9	972·6	971·4	969·8	975·7
25	968·3	966·3	965·3	964·7	964·4	964·1	964·1	963·7	963·5	963·1	963·1	963·1	963·1	963·0	962·9	963·0	963·0	963·2	963·7	964·8	966·5	968·9	970·8	972·5	964·9
26	973·5	975·7	976·5	977·6	978·9	980·0	980·8	982·2	983·0	984·3	985·2	985·6	986·1	986·9	987·3	987·7	988·2	988·8	988·9	989·8	990·1	990·2	990·3	990·4	984·1
27	990·3	990·3	990·1	990·0	989·9	989·8	989·5	989·7	989·8	989·5	988·7	988·1	987·4	986·7	986·4	986·6	986·4	986·6	985·9	986·0	986·0	985·6	985·3	985·6	988·0
28	984·7	983·8	982·4	982·3	982·9	985·6	987·0	988·4	990·1	991·0	992·1	992·7	993·7	994·1	994·5	994·9	995·8	996·2	996·6	996·7	996·7	997·1	997·1	997·2	991·2
29	997·2	997·2	997·2	997·2	997·2	997·2	997·6	997·8	998·2	997·9	997·9	997·9	997·9	997·9	997·9	997·8	997·8	997·8	997·6	997·5	997·5	997·5	997·4	997·3	**997·6**
30	997·1	996·8	996·8	996·3	996·2	996·1	996·3	996·3	996·3	995·3	994·9	994·6	994·6	993·8	993·2	992·1	991·7	991·6	991·5	990·9	990·2	990·2	989·7	989·6	994·0
Mean (Station level)	981 ·55	981 ·36	981 ·17	981 ·10	**980 ·92**	981 ·15	981 ·38	981 ·61	981 ·78	981 ·91	981 ·92	981 ·88	981 ·98	981 ·93	981 ·84	981 ·81	981 ·89	982 ·02	982 ·09	**982 ·24**	982 ·23	**982 ·24**	982 ·15	982 ·08	981 ·75
Mean (Sea level)	1010 ·24	1010 ·05	1009 ·88	1009 ·72	**1009 ·64**	1009 ·87	1010 ·08	1010 ·22	1010 ·27	1010 ·34	1010 ·30	1010 ·21	1010 ·29	1010 ·24	1010 ·15	1010 ·15	1010 ·28	1010 ·51	1010 ·66	1010 ·84	1010 ·85	**1010 ·88**	1010 ·78	1010 ·73	1010 ·30

120. Eskdalemuir : H_b =237·3 metres. **October, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	989·4	989·1	988·5	988·3	988·2	987·8	988·5	988·5	988·5	988·7	988·7	989·0	989·1	989·1	989·2	989·2	989·1	989·3	989·3	989·3	988·8	988·1	987·5	986·4	988·7
2	985·5	984·0	983·3	981·6	980·5	980·9	981·6	985·0	985·3	986·1	986·1	986·2	986·4	986·4	986·8	986·5	986·5	986·5	986·5	986·1	985·4	984·9	984·0	983·0	984·9
3	981·9	980·9	979·6	978·4	977·2	976·9	976·6	976·3	975·9	976·3	976·3	976·6	977·0	977·5	978·3	979·1	979·8	980·9	982·4	983·1	984·0	984·7	985·5	986·0	979·6
4	986·4	987·0	987·6	988·3	988·9	989·7	990·7	991·2	991·6	991·9	991·8	991·8	991·7	991·7	991·7	991·4	991·3	991·3	991·0	990·8	990·5	990·1	989·6	989·1	**990·2**
5	988·3	987·4	986·5	985·7	985·0	984·5	983·9	983·4	982·8	981·9	981·0	979·8	979·5	978·9	978·0	977·8	977·7	977·7	977·9	978·1	978·5	978·5	978·5	978·5	981·5
6	978·4	978·1	977·9	977·8	977·7	977·5	977·3	977·0	976·8	977·1	977·1	977·2	977·4	977·7	978·1	978·4	978·8	979·4	979·7	979·9	980·0	980·3	980·6	980·7	978·3
7	980·7	980·3	980·1	979·5	979·5	979·0	978·6	978·1	977·6	976·8	976·6	975·7	975·1	975·1	974·6	974·6	974·2	973·8	973·8	973·3	973·0	973·3	973·4	973·9	976·4
8	974·5	975·2	975·2	976·4	976·5	977·0	977·5	978·2	978·3	978·5	978·5	978·7	978·3	978·5	978·1	977·9	976·8	975·8	975·0	973·0	970·7	970·0	968·4	967·3	975·7
9	966·6	966·6	965·7	966·3	967·2	967·7	968·5	969·0	969·7	970·7	971·2	971·6	972·7	973·5	974·1	975·2	975·9	976·7	977·4	978·1	979·1	979·8	980·4	980·5	972·4
10	980·5	980·5	980·0	979·6	979·4	979·2	978·6	978·5	977·6	977·1	977·0	976·0	975·6	975·0	974·0	973·3	972·8	972·8	973·3	973·3	973·0	973·0	973·4	973·5	976·3
11	974·0	974·1	974·4	974·3	974·8	975·4	976·1	976·5	977·3	977·7	978·1	978·5	978·5	978·5	978·0	978·4	978·4	978·5	978·1	978·0	977·7	976·9	976·1	975·2	976·8
12	974·5	973·5	972·2	970·9	969·6	968·3	967·4	966·5	965·3	965·0	964·0	962·7	961·8	961·1	960·5	959·8	959·5	959·4	958·9	958·3	958·0	957·7	957·4	957·1	964·1
13	957·0	957·0	957·0	957·1	957·5	958·2	959·5	960·7	961·9	962·8	963·6	964·4	965·0	966·1	966·3	967·0	967·4	968·2	968·5	969·0	969·4	970·1	970·3	970·6	963·7
14	970·8	971·3	971·5	971·6	971·8	972·1	972·6	973·1	973·4	973·9	974·4	974·5	975·1	975·3	975·7	976·2	976·8	977·5	978·1	978·5	979·0	979·4	979·4	979·9	974·9
15	980·0	980·3	980·4	980·6	980·7	981·0	981·2	981·4	981·8	981·7	981·7	981·7	981·6	981·5	981·3	981·2	981·2	981·2	981·2	981·1	981·0	980·5	980·0	979·5	981·0
16	979·3	978·9	978·5	978·3	978·4	978·6	978·8	979·2	979·9	980·2	981·3	981·8	982·2	982·9	983·5	984·1	984·7	985·5	986·4	986·4	986·4	986·7	986·5	986·2	982·1
17	986·2	985·7	985·6	985·7	986·2	986·7	987·5	988·2	988·9	990·0	990·0	989·9	990·0	990·4	990·4	990·5	990·6	990·9	991·1	991·1	991·1	991·1	991·1	990·7	989·1
18	990·5	989·9	989·7	989·2	989·2	988·7	988·6	988·4	988·0	988·0	987·5	986·4	984·8	983·2	982·0	981·0	979·9	978·9	977·6	976·9	976·3	975·7	975·1	974·1	984·1
19	973·1	971·8	969·9	968·0	966·0	964·7	964·8	966·2	967·3	968·3	969·4	970·0	970·9	971·8	972·5	972·6	973·6	974·5	975·0	975·4	975·4	975·3	974·9	974·5	971·1
20	974·5	974·0	973·5	973·2	972·9	972·6	972·5	972·5	972·1	971·2	970·8	970·2	969·4	969·0	968·4	967·6	967·5	967·2	966·3	965·2	964·5	963·2	961·7	959·7	969·5
21	958·0	955·9	953·1	952·1	951·2	950·6	950·0	950·6	951·3	952·2	952·8	953·4	953·9	954·2	954·6	954·6	954·5	954·5	954·2	954·5	954·6	954·6	954·6	954·6	953·6
22	954·5	954·1	953·5	953·4	953·3	952·8	952·5	952·5	952·3	952·3	952·6	952·9	953·0	953·2	953·1	952·9	952·8	952·2	952·3	952·3	952·3	952·7	952·8	953·0	952·9
23	952·9	953·6	953·0	952·9	952·9	952·3	951·6	950·9	950·1	949·3	948·7	947·2	945·5	944·9	943·3	941·8	941·5	941·4	941·9	942·8	943·4	943·7	944·0	944·2	947·4
24	944·4	944·6	944·9	945·1	945·4	945·7	946·1	946·5	946·9	947·2	947·3	947·5	947·7	947·9	947·7	847·6	947·5	947·5	947·8	948·1	948·1	947·8	948·1	947·9	**946·8**
25	948·1	948·7	949·1	949·7	950·3	951·0	952·2	953·2	954·4	954·9	955·4	955·7	955·9	955·9	956·2	956·5	957·3	958·5	959·3	960·0	960·6	961·2	962·0	962·6	955·1
26	962·4	961·9	961·2	959·8	958·7	957·1	955·6	955·4	954·8	956·3	956·6	957·2	957·4	957·9	958·5	959·6	960·8	961·7	962·4	962·6	962·6	962·5	962·0	961·5	959·5
27	960·4	957·7	956·4	954·4	953·0	951·9	951·6	952·2	952·5	953·2	953·1	953·1	952·9	952·9	952·3	952·3	951·6	951·6	950·9	950·4	950·3	950·4	950·7	950·8	953·0
28	950·8	950·9	951·4	953·0	954·6	955·5	957·1	958·3	959·4	960·8	961·3	961·9	962·4	963·0	963·3	963·9	964·6	964·8	965·4	965·5	966·0	966·7	968·8	969·4	960·4
29	970·4	971·2	972·2	972·3	972·9	974·0	974·7	975·4	975·9	976·2	976·2	976·0	975·3	974·5	973·1	973·0	972·9	972·9	972·8	972·9	973·0	973·1	972·7	972·9	973·5
30	972·9	972·9	971·6	971·0	970·3	970·2	970·2	970·5	970·8	971·7	972·4	973·3	973·7	973·9	974·6	975·2	976·0	976·7	976·8	977·1	977·3	977·9	978·6	979·2	973·4
31	979·6	980·1	980·6	981·3	981·9	982·6	983·8	984·5	985·6	986·7	987·1	987·4	987·7	988·1	988·7	989·2	989·8	990·4	991·1	991·5	991·8	992·3	992·6	992·9	986·7
Mean (Station level)	971 ·82	971 ·52	971 ·10	970 ·83	970 ·70	**970 ·65**	970 ·85	971 ·22	971 ·42	971 ·76	971 ·89	971 ·88	971 ·85	971 ·92	971 ·84	971 ·88	971 ·99	972 ·21	**972 ·35**	972 ·34	972 ·31	972 ·34	972 ·27	972 ·12	971 ·71
Mean (Sea level)	1000 ·41	1000 ·10	999 ·65	999 ·36	999 ·23	**999 ·19**	999 ·38	999 ·74	999 ·89	1000 ·19	1000 ·27	1000 ·22	1000 ·16	1000 ·25	1000 ·18	1000 ·26	1000 ·46	1000 ·74	1000 ·43	1000 ·95	1000 ·92	**1000 ·98**	1000 ·91	1000 ·77	1000 ·21

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

121. Eskdalemuir : H_b (height of barometer cistern above M.S.L.) = 237·3 metres. **November, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	993·0	993·2	993·1	993·1	993·1	993·0	993·0	993·0	992·7	992·7	992·1	991·2	990·6	990·1	989·4	989·0	988·6	988·4	988·0	987·4	987·0	986·7	986·5	986·1	990·6
2	985·8	985·6	985·2	985·1	985·3	985·6	985·9	986·2	986·5	986·4	986·3	985·9	985·4	984·5	984·3	983·9	983·7	982·8	981·3	979·9	978·6	976·4	974·7	972·9	983·5
3	971·4	969·9	968·5	968·1	966·9	965·6	965·2	964·1	965·0	965·0	965·5	966·2	966·5	967·2	967·7	967·9	968·5	967·9	967·8	967·8	967·1	968·1	968·0	968·2	967·4
4	968·2	968·5	968·7	968·6	968·6	968·2	968·5	968·5	968·7	969·3	969·8	970·1	970·7	970·6	970·5	970·5	970·6	970·8	971·0	971·1	970·7	970·9	971·0	971·2	969·7
5	971·1	971·0	971·1	970·7	970·8	970·9	970·8	971·1	971·0	971·2	971·2	971·1	971·0	970·9	970·7	970·6	970·6	970·9	971·1	971·4	971·5	971·6	972·2	972·3	971·1
6	972·3	972·9	973·4	973·6	974·3	975·1	975·8	976·7	977·0	978·3	978·5	979·2	979·5	979·7	980·1	980·4	980·8	981·0	981·4	981·5	981·6	982·0	982·0	982·1	978·1
7	982·1	982·1	982·1	982·1	982·3	982·7	982·8	983·4	983·5	983·1	983·1	983·1	982·9	982·8	982·6	982·5	982·5	982·5	982·2	981·9	981·7	981·0	980·5	979·8	982·4
8	979·1	977·6	977·0	976·0	975·0	973·7	973·1	972·7	972·1	971·6	971·3	970·9	970·6	970·3	970·1	970·0	969·9	969·9	969·7	969·7	969·3	969·3	968·6	968·0	972·2
9	968·5	968·4	968·5	968·9	969·7	970·8	971·7	972·7	973·8	974·5	975·2	977·0	979·6	980·5	982·4	984·0	985·6	987·0	988·7	990·2	991·5	992·5	993·8	994·4	979·0
10	995·1	995·8	996·4	997·1	997·9	998·7	999·3	999·7	000·6	000·8	000·8	000·7	000·6	000·4	000·4	000·0	000·0	999·9	999·8	999·9	999·3	999·3	999·1	998·8	**999·1**
11	998·1	997·5	996·9	996·4	995·8	995·8	995·5	995·3	994·0	994·1	993·3	993·0	992·2	991·3	990·1	989·5	989·0	988·3	987·8	986·7	986·4	985·7	984·5	984·4	992·0
12	983·4	982·0	980·7	979·8	978·5	977·4	977·4	977·4	976·8	975·3	975·5	974·3	973·9	973·9	974·4	974·6	975·2	975·6	976·0	975·7	975·2	975·2	974·5	973·8	976·7
13	972·0	970·5	969·1	966·6	964·1	961·9	960·3	958·8	958·3	958·1	958·0	956·4	955·5	955·0	954·1	953·0	951·3	950·1	948·0	946·5	845·8	945·1	945·3	945·6	956·8
14	915·8	946·6	947·2	948·5	949·6	950·7	952·0	952·6	953·3	953·5	954·0	954·1	954·3	955·9	957·5	958·8	959·9	961·3	962·9	964·1	965·2	965·9	966·1	966·6	955·7
15	966·9	967·0	965·7	966·1	964·8	963·0	961·3	959·9	957·5	954·4	950·2	947·1	945·9	944·4	943·0	942·2	942·1	941·3	941·1	941·2	941·5	942·5	944·7	946·5	**952·1**
16	948·6	951·0	953·2	955·4	957·4	958·7	959·9	961·1	962·6	963·5	964·6	965·5	965·5	965·4	965·6	965·9	966·1	966·2	966·3	965·3	964·0	961·9	960·7	959·6	961·1
17	959·1	958·7	958·5	958·0	958·4	958·2	958·3	958·7	959·6	962·5	963·5	964·5	965·0	966·0	966·5	966·7	967·1	967·2	967·7	967·7	967·9	968·0	968·1	968·2	963·3
18	968·2	967·9	967·8	967·6	967·6	967·4	967·3	967·3	967·5	967·6	967·5	967·6	967·6	967·7	967·6	967·6	967·5	967·6	967·6	968·0	968·5	968·8	969·5	970·5	967·9
19	970·1	970·1	970·3	970·7	971·0	971·7	971·9	972·4	972·7	973·1	973·1	973·2	973·5	973·4	973·3	973·5	974·1	974·2	974·1	974·1	973·0	972·9	972·9	972·6	972·6
20	972·4	972·4	972·1	972·1	971·8	971·7	971·6	972·0	972·2	972·2	972·2	972·2	972·8	972·9	973·4	974·0	974·2	974·7	975·2	975·9	976·0	976·1	976·7	976·7	973·4
21	976·7	977·2	977·2	977·2	977·2	977·3	977·3	977·5	978·2	978·3	978·2	978·1	978·1	978·1	978·0	978·0	978·1	978·3	978·6	978·6	978·7	979·0	979·1	979·2	978·0
22	979·2	979·4	979·6	979·8	980·0	980·5	981·0	981·8	982·2	982·8	983·0	983·0	982·8	982·9	983·0	983·1	983·3	983·0	983·7	985·7	983·8	984·1	984·1	984·2	972·2
23	984·2	984·2	984·3	984·2	984·2	984·2	984·2	984·8	985·0	985·4	985·8	985·8	986·1	986·3	986·5	986·9	987·1	987·6	988·0	988·3	988·7	988·8	989·3	989·4	986·1
24	989·6	990·1	990·3	990·8	990·8	991·0	991·6	992·1	992·3	992·3	992·3	992·3	992·2	991·9	991·9	991·8	991·8	991·7	991·6	991·4	991·2	990·8	990·6	990·2	991·3
25	989·8	989·4	988·8	988·5	988·0	987·4	987·1	986·8	986·7	986·7	986·7	986·1	985·6	985·1	984·8	984·3	984·3	983·8	983·6	983·2	983·1	982·9	982·6	982·3	985·9
26	982·1	981·8	981·6	981·1	981·0	981·0	981·0	981·0	981·5	981·7	981·4	981·2	981·0	980·7	980·6	980·6	980·6	980·6	980·6	980·6	980·6	980·6	980·6	980·7	981·0
27	980·7	980·7	980·6	980·6	980·6	980·7	980·7	981·3	981·7	982·0	982·1	982·1	982·0	981·9	982·0	982·3	982·5	982·9	983·1	983·1	983·1	983·1	983·0	982·8	981·8
28	982·6	982·4	981·4	980·7	980·1	979·9	979·8	979·8	979·8	979·6	979·1	978·0	978·4	977·9	977·8	977·6	977·5	977·5	977·7	977·3	977·3	977·1	977·0	977·0	979·0
29	976·7	976·7	976·7	976·7	976·6	977·1	977·5	977·8	978·4	978·9	979·2	979·7	980·0	980·5	981·3	982·2	982·5	983·2	983·8	983·9	984·2	984·9	985·6	986·2	980·2
30	986·4	986·9	986·9	986·8	986·8	987·4	987·4	987·6	987·7	987·8	987·7	986·9	986·1	985·9	985·5	984·9	984·2	983·5	983·1	982·6	982·0	981·5	981·1	981·0	985·4
Mean (Station level)	976 ·64	976 ·58	976 ·43	976 ·36	976 ·27	**976 ·24**	976 ·31	976 ·46	976 ·62	**976 ·76**	976 ·71	976 ·57	976 ·53	976 ·47	976 ·50	976 ·54	976 ·64	976 ·68	976 ·72	976 ·62	976 ·51	976 ·42	976 ·41	976 ·40	976 ·52
Mean (Sea level)	1005 ·91	1005 ·85	1005 ·71	1005 ·65	1005 ·57	**1005 ·53**	1005 ·59	1005 ·74	1005 ·85	1005 ·94	1005 ·84	1005 ·65	1005 ·59	**1005 ·53**	1005 ·60	1005 ·69	1005 ·85	1005 ·91	**1005 ·93**	1005 ·89	1005 ·79	1005 ·70	1005 ·69	1005 ·67	1005 ·75

122. Eskdalemuir : H_b = 237·3 metres. **December, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	980·6	980·1	979·9	979·7	979·6	979·6	979·6	979·6	979·6	979·1	978·8	978·1	977·5	976·8	976·0	975·4	974·7	973·8	973·2	972·1	971·3	970·5	969·3	968·1	976·6
2	966·7	964·9	962·7	961·1	959·3	957·9	956·7	956·0	955·8	959·3	961·1	961·6	961·8	962·1	962·3	962·4	963·1	963·6	964·1	964·5	964·7	965·1	965·2	965·3	962·0
3	965·7	966·0	966·1	966·2	966·2	966·7	967·6	968·5	969·1	970·1	970·4	970·6	970·7	971·0	971·4	971·7	972·4	972·7	972·8	972·7	972·4	972·7	971·3	970·7	969·7
4	969·8	969·0	967·6	966·4	965·1	964·3	963·5	962·4	961·4	960·9	960·1	958·6	957·9	957·2	957·1	956·9	956·7	957·1	957·5	957·9	958·7	959·2	959·8	960·6	**961·3**
5	961·2	961·7	962·3	963·2	964·0	965·1	965·9	967·1	968·3	969·9	970·4	971·3	972·4	973·1	974·3	975·5	976·5	977·7	978·7	979·9	980·5	981·2	981·6	981·9	971·4
6	982·3	983·4	984·1	984·3	984·7	985·2	985·9	986·1	986·5	986·7	986·8	986·5	985·9	985·9	985·7	985·3	985·0	984·6	984·1	983·4	982·9	982·2	981·2	980·4	984·6
7	979·3	978·0	976·8	975·4	974·2	973·4	972·6	971·5	970·4	969·8	968·6	967·0	965·2	964·0	963·2	962·0	961·0	960·0	958·0	958·3	957·7	957·4	957·1	957·0	967·1
8	956·3	955·6	955·0	954·4	954·0	954·1	955·1	956·0	958·0	960·1	962·2	963·5	964·7	965·8	967·2	968·3	969·4	970·6	971·8	973·1	974·0	974·8	975·4	976·1	963·6
9	976·7	977·4	978·5	979·3	980·0	980·5	981·3	982·4	983·1	984·1	984·1	984·3	984·5	984·5	984·7	984·7	984·8	984·7	984·7	984·8	984·7	984·6	984·3	984·0	982·6
10	983·5	983·2	983·4	983·6	983·7	983·9	984·1	984·7	984·8	985·3	985·4	985·6	985·9	985·8	986·6	986·9	987·4	987·8	988·0	988·0	988·7	989·2	989·2	989·4	985·9
11	989·4	989·7	989·9	989·9	990·3	990·4	990·4	990·3	990·7	990·5	990·9	990·9	990·7	990·7	991·2	991·4	991·2	991·4	991·3	991·1	991·2	990·7	990·7	990·7	990·6
12	990·8	991·2	990·8	990·7	990·4	990·2	990·2	990·1	990·5	991·1	991·1	990·6	990·3	990·5	990·6	990·7	990·9	991·0	991·0	991·0	991·0	991·1	991·1	991·2	990·7
13	991·2	991·1	991·0	991·0	991·6	992·6	993·5	994·7	996·2	998·6	998·9	999·0	999·2	000·2	000·3	001·1	001·7	001·4	001·9	001·9	002·2	002·3	002·3	001·2	997·5
14	001·2	000·3	999·8	999·2	998·6	997·3	996·7	995·3	996·1	995·3	994·4	992·2	990·5	990·0	989·5	989·4	989·3	989·5	990·0	990·6	991·3	992·2	992·7	992·9	994·1
15	993·0	993·4	993·6	994·1	994·5	994·1	994·5	995·0	995·0	995·0	996·2	996·2	996·3	996·3	996·3	996·2	996·2	995·7	995·8	995·1	993·0	992·9	991·9	991·8	994·8
16	990·6	990·9	990·6	989·6	989·1	989·1	989·5	989·2	989·1	989·1	988·7	988·6	988·2	988·7	988·1	987·9	988·0	988·7	989·2	989·0	990·1	990·2	990·1	990·1	989·3
17	990·2	990·3	990·1	989·9	989·4	989·1	988·9	988·7	988·4	987·6	987·8	987·3	986·6	986·5	985·8	985·0	984·1	984·1	983·6	983·7	983·9	984·4	984·6	985·1	987·0
18	985·1	985·1	985·1	985·2	985·2	984·9	985·2	985·2	986·0	986·2	986·7	987·4	987·5	988·0	988·7	989·0	990·2	990·8	991·3	991·3	991·4	991·6	991·7	991·9	987·8
19	991·9	991·9	992·4	992·6	993·0	993·0	992·9	993·0	993·0	994·0	994·0	993·7	993·5	993·9	993·9	994·0	994·0	994·0	994·0	994·0	994·7	994·5	995·5	995·7	993·6
20	995·3	999·6	000·4	001·2	002·0	002·8	003·9	003·9	004·2	004·3	005·0	004·9	004·4	004·3	003·9	003·5	003·2	002·8	002·5	002·3	001·9	001·2	000·6	000·4	**002·5**
21	999·8	998·9	998·1	997·4	996·3	995·5	994·9	994·5	993·9	993·3	993·0	992·3	991·4	990·7	990·1	989·4	988·7	987·6	987·4	986·6	985·7	984·7	983·7	982·3	991·9
22	980·9	979·3	978·1	976·2	974·1	972·1	970·8	970·8	970·1	969·2	969·2	968·7	969·6	970·3	971·3	971·2	971·0	971·2	970·6	970·9	970·8	970·9	970·5	970·5	972·3
23	970·2	970·0	970·2	970·1	970·7	970·7	972·0	973·0	974·1	974·8	976·0	976·4	976·9	977·6	978·3	978·8	979·3	979·7	980·2	980·4	980·3	980·1	979·9	980·0	975·6
24	979·8	978·8	978·1	976·9	975·8	974·7	973·9	973·2	972·8	972·7	973·0	974·4	975·0	976·0	978·3	980·1	981·7	983·2	984·0	985·3	986·2	986·7	987·7	988·1	979·0
25	988·2	988·4	988·3	988·3	988·4	988·3	988·2	987·7	987·6	987·0	987·3	986·1	984·7	982·3	980·4	978·1	975·7	974·3	972·7	971·8	971·1	970·5	970·0	970·4	981·9
26	970·3	971·0	971·2	972·0	973·0	973·8	975·1	975·9	977·6	978·7	979·5	979·4	979·1	979·0	979·4	978·6	978·4	977·5	976·0	975·8	975·5	974·6	974·1	973·7	975·7
27	973·3	973·1	973·4	973·6	973·6	974·3	974·7	975·5	976·5	976·2	976·1	975·7	975·3	975·2	974·2	973·8	973·2	972·2	971·7	970·6	969·2	968·2	967·7	967·6	973·2
28	967·6	967·8	968·6	970·3	972·1	972·8	975·3	976·5	978·0	979·0	980·1	981·3	983·4	984·6	986·1	987·9	989·7	990·4	991·6	992·3	993·1	994·5	995·3	995·8	981·7
29	996·4	997·0	997·2	997·5	997·8	997·9	998·2	998·5	998·9	998·8	998·5	998·2	997·8	997·3	996·7	996·2	995·9	995·5	995·1	994·6	993·7	992·8	992·1	991·2	996·3
30	990·1	989·3	987·9	986·0	985·7	985·0	984·4	984·0	983·7	982·7	983·2	983·3	983·6	983·9	984·6	985·1	985·7	985·7	985·7	986·5	987·4	988·1	988·5	989·2	986·0
31	991·2	991·0	992·5	993·4	993·5	994·1	994·3	994·5	994·7	994·9	994·8	994·0	993·4	992·9	992·2	992·1	991·7	991·5	991·1	991·0	990·2	990·1	990·1	990·3	992·5
Mean (Station level)	982 ·31	982 ·20	982 ·05	981 ·92	981 ·80	**981 ·72**	981 ·93	982 ·08	982 ·30	982 ·79	**983 ·00**	982 ·83	982 ·73	982 ·75	982 ·83	982 ·89	982 ·83	982 ·91	982 ·95	982 ·95	982 ·92	982 ·88	982 ·76	982 ·79	982 ·51
Mean (Sea level)	1011 ·75	1011 ·61	1011 ·45	1011 ·31	1011 ·19	**1011 ·11**	1011 ·28	1011 ·48	1011 ·81	1012 ·21	1012 ·35	1012 ·13	1012 ·01	1012 ·05	1012 ·15	1012 ·22	1012 ·32	1012 ·33	**1012 ·38**	1012 ·37	1012 ·33	1012 ·31	1012 ·19	1012 ·19	1011 ·94

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

ANNUAL MEANS OF HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

23. Eskdalemuir : H_b=237·3 metres. **1923.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Station Level	mb. 981·34	mb. 981·20	mb. 981·02	mb. 980·89	mb. **980·85**	mb. 980·89	mb. 981·05	mb. 981·21	mb. 981·34	mb. 981·44	mb. 981·45	mb. 981·38	mb. 981·32	mb. 981·26	mb. 981·21	mb. 981·18	mb. 981·22	mb. 981·30	mb. 981·42	mb. 981·51	mb. 981·58	mb. **981·59**	mb. 981·56	mb. 981·51	mb. 981·28
Sea Level	010·33	010·20	010·02	009·89	009·85	009·86	009·98	010·09	010·16	010·21	010·16	010·04	009·96	009·89	**009·84**	009·85	009·93	010·06	010·20	010·39	010·49	**010·54**	010·53	010·49	010·12

PRESSURE AT STATION LEVEL; MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

24. Eskdalemuir : H_b=237·3 metres. **1923.**

Month	Mean	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	987·13	+0·17	+0·03	0·14	−0·44	−0·59	**−0·70**	−0·49	−0·09	+0·19	**+0·41**	+0·39	+0·14	−0·13	−0·32	0·27	−0·18	0·00	+0·05	+0·29	+0·32	**+0·41**	+0·32	+0·33	+0·25
Feb.	969·92	**+0·26**	+0·19	+0·13	−0·05	−0·03	−0·13	−0·22	−0·22	−0·11	−0·06	−0·08	−0·12	−0·21	**−0·33**	−0·24	−0·17	−0·03	+0·15	+0·22	+0·23	+0·24	+0·20	+0·22	+0·25
Mar.	988·19	+0·19	0·00	−0·42	**−0·53**	−0·51	−0·40	+0·09	+0·25	**+0·41**	**+0·41**	+0·40	+0·31	+0·07	−0·17	−0·39	−0·44	−0·37	−0·19	+0·05	+0·17	+0·25	+0·29	+0·29	+0·28
April	979·61	+0·26	+0·08	−0·17	−0·38	**−0·40**	−0·32	−0·20	−0·12	−0·02	+0·01	−0·01	−0·05	−0·08	−0·14	−0·27	−0·33	−0·32	−0·21	+0·11	+0·35	+0·52	**+0·61**	+0·59	+0·57
May	982·74	−0·11	−0·20	−0·25	**−0·29**	−0·24	−0·12	+0·03	+0·13	+0·17	+0·19	+0·18	+0·15	+0·17	+0·14	−0·02	−0·15	−0·23	−0·26	−0·14	+0·07	+0·22	**+0·28**	+0·22	+0·08
June	989·90	+0·08	+0·04	0·00	−0·04	+0·02	+0·11	+0·26	+0·31	**+0·34**	+0·25	+0·19	+0·06	+0·07	−0·06	−0·21	−0·30	−0·42	**−0·46**	−0·39	−0·17	−0·01	+0·11	+0·12	+0·07
July	984·72	+0·04	−0·14	−0·33	**−0·36**	−0·30	−0·16	−0·04	+0·05	+0·06	+0·09	+0·11	+0·07	+0·02	+0·02	−0·06	−0·10	−0·20	−0·09	−0·04	+0·10	+0·31	**+0·35**	+0·33	+0·21
Aug.	980·60	+0·09	+0·01	−0·11	−0·18	**−0·21**	−0·17	−0·07	+0·04	+0·05	+0·02	−0·06	0·00	+0·05	+0·09	+0·08	−0·06	−0·08	−0·11	−0·06	+0·04	+0·13	+0·16	**+0·17**	+0·15
Sept.	981·75	−0·06	−0·26	−0·47	−0·64	**−0·74**	−0·52	−0·31	−0·09	+0·07	+0·19	+0·18	+0·13	+0·22	+0·15	+0·05	+0·01	+0·08	+0·19	+0·25	**+0·39**	+0·37	+0·36	+0·26	+0·18
Oct.	971·71	+0·16	−0·14	0·57	−0·84	−0·98	**−1·03**	−0·84	0·47	−0·28	+0·06	+0·19	+0·17	+0·13	+0·20	+0·12	+0·15	+0·26	+0·47	**+0·61**	+0·59	+0·56	+0·58	+0·51	+0·35
Nov.	976·52	−0·06	−0·10	−0·24	−0·29	−0·36	**−0·38**	−0·20	−0·13	+0·05	+0·21	+0·17	+0·05	+0·03	−0·02	+0·03	+0·09	+0·20	+0·26	**+0·31**	+0·23	+0·14	+0·06	+0·07	+0·07
Dec.	982·55	−0·10	−0·22	−0·39	−0·53	−0·66	**−0·75**	−0·56	−0·42	−0·12	+0·27	**+0·46**	+0·28	+0·17	+0·17	+0·24	+0·26	+0·32	+0·28	+0·31	+0·30	+0·26	+0·20	+0·07	+0·06
Year	981·28	+0·08	−0·06	−0·25	−0·38	**−0·42**	−0·38	−0·22	−0·06	+0·07	+0·17	+0·18	+0·10	+0·04	−0·03	−0·08	−0·10	−0·07	+0·01	+0·13	+0·22	+0·28	**+0·29**	+0·27	+0·21

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

25. Eskdalemuir : H_b=237·3 metres. **1923.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	980·5	972·0	981·3	969·1	970·0	958·7	993·2	985·5	989·3	978·8	999·1	995·0	990·0	988·6	980·4	964·8	987·5	980·4	989·6	986·4	993·3	986·1	981·0	968·1
2	975·5	**957·8**	980·8	969·2	958·7	**954·3**	**995·7**	993·2	995·3	989·3	000·2	995·9	989·5	980·3	980·6	960·4	998·5	987·5	986·9	979·9	986·6	972·9	968·1	955·6
3	976·0	958·8	980·2	975·6	977·5	954·6	993·8	985·4	994·6	988·2	995·9	986·0	983·3	978·3	991·1	962·4	998·6	989·2	986·0	975·7	972·9	963·9	972·8	965·3
4	988·7	976·0	989·4	980·2	991·7	977·5	985·4	979·4	988·2	983·8	989·1	986·3	989·4	983·3	995·6	991·1	994·0	986·6	992·1	986·0	971·2	968·1	970·7	956·7
5	985·4	966·1	986·5	972·3	990·4	980·3	982·7	979·5	983·9	979·1	987·2	981·6	995·0	989·4	994·0	986·9	994·4	990·2	989·1	977·6	972·3	963·3	981·9	960·6
6	985·9	975·8	972·3	958·8	985·1	971·2	982·8	978·0	988·7	979·0	990·3	983·3	995·1	992·5	987·7	985·2	995·8	989·3	980·7	976·6	982·1	972·3	986·8	980·4
7	982·5	975·0	960·1	948·0	984·4	966·9	983·2	977·5	991·8	988·7	991·7	986·2	992·8	988·2	986·6	982·0	998·4	988·6	980·8	972·9	983·6	979·8	980·4	957·0
8	984·9	972·3	963·4	942·2	994·5	984·4	989·2	983·2	989·8	984·2	986·2	975·3	991·3	988·4	988·2	986·4	**998·7**	990·8	979·1	967·3	979·8	968·6	976·1	**953·9**
9	981·2	963·4	975·4	963·4	994·6	990·9	989·1	982·2	984·2	976·4	978·5	**974·1**	992·1	990·9	989·7	984·4	990·8	985·9	980·5	965·6	994·4	968·4	984·8	976·1
10	973·6	958·7	972·0	967·1	990·9	984·1	982·2	977·4	982·9	957·8	985·2	977·4	993·2	991·1	994·9	989·7	989·8	987·7	980·6	972·7	**000·9**	994·4	989·4	982·8
11	986·7	973·6	978·1	971·1	991·6	985·2	978·8	975·6	966·3	**956·6**	**000·4**	985·2	995·4	991·5	**997·8**	994·8	989·5	976·5	978·6	973·5	998·8	984·4	991·5	989·3
12	994·9	986·7	987·5	978·1	991·2	981·2	977·2	961·6	968·8	966·1	**000·4**	987·5	**996·5**	995·2	997·5	990·1	982·3	973·9	975·2	957·1	984·4	973·7	991·2	990·0
13	994·9	987·5	**991·7**	987·5	999·7	981·7	961·7	959·0	971·0	965·0	988·7	981·8	996·4	994·4	992·5	985·9	982·3	970·3	970·6	956·9	973·8	945·1	002·4	990·9
14	990·6	983·0	991·1	987·4	002·1	999·7	968·7	958·8	972·7	969·4	993·6	988·7	996·2	988·2	994·2	992·5	971·5	969·4	979·9	970·6	966·6	945·6	001·3	989·2
15	996·5	990·5	987·5	977·5	002·0	999·1	978·2	968·7	971·7	969·1	991·5	981·3	988·2	978·3	992·6	989·7	973·8	970·0	981·9	979·5	967·1	**941·1**	996·5	991·7
16	999·9	996·5	977·5	976·3	001·5	988·6	989·7	978·2	977·9	968·9	992·2	983·7	979·1	976·9	990·7	982·7	982·0	973·8	986·8	978·2	966·5	946·5	991·8	987·8
17	000·1	998·9	980·6	975·5	**004·5**	000·6	991·6	989·7	986·7	977·9	993·8	991·5	980·0	977·2	982·7	970·0	981·6	**961·9**	991·2	985·5	968·2	957·9	990·4	983·5
18	004·0	999·6	976·3	964·4	**004·5**	002·4	990·6	982·1	989·3	985·0	991·5	988·2	987·6	980·0	980·3	969·4	970·8	962·9	990·7	974·1	970·6	967·2	991·9	984·9
19	002·3	983·5	977·3	967·9	002·4	996·7	983·1	980·7	985·0	978·5	990·8	988·1	987·5	982·5	983·0	980·3	974·4	970·5	975·5	964·5	974·3	970·0	997·1	991·8
20	997·9	981·1	979·5	970·9	996·7	992·0	985·8	983·0	978·5	972·7	995·3	990·8	989·9	984·0	981·5	972·3	975·2	968·3	974·5	959·7	976·7	971·5	**005·1**	997·1
21	998·1	993·5	970·9	958·7	993·5	990·9	985·7	980·1	982·8	973·6	994·4	989·6	993·9	988·6	972·3	**959·7**	973·9	968·8	959·7	950·0	979·2	976·7	000·4	982·3
22	001·0	989·7	959·5	958·4	991·2	988·0	984·6	982·5	986·9	982·8	993·6	989·0	993·1	983·3	975·9	966·9	971·2	964·4	954·7	952·1	984·2	979·2	982·3	968·6
23	**004·5**	995·7	970·0	958·9	988·1	984·3	988·0	980·8	992·3	986·7	994·9	992·5	983·3	978·7	977·6	966·9	972·8	964·0	953·7	**941·4**	989·4	984·1	980·4	969·9
24	002·7	996·1	971·1	963·3	988·6	984·5	989·8	976·0	992·7	981·0	993·8	991·1	983·6	980·0	983·1	966·7	977·9	969·8	948·2	944·2	992·4	989·4	988·1	972·6
25	004·3	002·1	971·1	966·1	993·9	987·8	976·0	959·5	981·5	977·4	992·6	989·8	980·0	975·0	984·5	971·6	972·5	962·9	962·6	948·0	990·2	982·3	988·5	970·0
26	002·3	996·8	966·1	936·8	995·6	990·5	974·6	**958·7**	987·9	980·5	992·8	989·4	983·4	974·4	971·7	966·7	990·4	972·5	962·8	954·8	982·3	980·5	979·4	970·2
27	996·8	990·7	948·5	**935·3**	990·5	983·7	981·8	974·6	994·2	987·9	994·5	991·5	985·6	979·5	966·8	964·9	990·6	985·1	961·5	950·2	983·2	980·5	976·6	967·6
28	994·1	989·4	959·1	948·5	992·9	984·1	981·3	976·5	998·7	993·0	994·7	993·3	979·5	973·4	980·3	966·3	997·2	982·2	969·4	950·4	982·8	977·0	995·8	967·5
29	989·4	982·1	—	—	996·8	992·9	979·1	976·7	**999·0**	996·0	994·9	991·7	975·9	971·2	980·5	965·2	998·3	997·1	976·3	969·4	986·2	976·5	999·0	990·3
30	988·4	984·3	—	—	997·5	994·1	978·6	973·8	996·7	994·0	991·7	988·5	971·2	963·8	978·2	965·8	997·3	989·6	979·2	970·1	987·9	981·0	990·8	982·6
31	988·0	978·9	—	—	994·1	985·8	—	—	997·0	995·6	—	—	964·8	**962·9**	980·4	977·8	—	—	**992·9**	979·2	—	—	995·0	990·0
Mean	991·99	982·45	975·17	965·30	992·15	984·41	983·41	976·60	986·01	979·45	992·65	987·14	987·19	982·26	984·90	976·11	985·73	977·67	976·49	966·78	981·40	971·60	987·98	976·91

NOTE. When pressure exceeds 1000 mb. the leading figure is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

126. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **January, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	71·0	69·9	69·0	68·1	68·1	67·2	66·6	66·2	66·0	67·7	69·8	71·7	72·6	73·4	73·1	73·0	72·0	73·2	73·4	73·7	74·3	74·9	74·8	75·0	**70·9**
2	75·1	75·7	76·0	76·0	75·9	80·0	80·9	81·1	80·8	81·0	81·3	80·2	79·3	79·1	79·0	79·7	79·8	79·8	79·6	79·4	79·3	78·8	78·2	78·2	78·9
3	78·8	78·7	78·8	79·0	78·0	77·4	77·1	77·0	76·5	76·3	77·0	77·9	77·7	78·0	77·7	76·8	77·4	78·2	78·0	78·0	77·5	77·5	77·0	76·1	77·6
4	75·8	75·4	75·4	75·5	75·5	75·6	75·0	75·1	74·9	76·3	77·9	78·3	79·0	78·1	76·2	74·7	74·0	73·5	73·1	73·0	74·0	74·6	75·0	75·9	75·5
5	77·0	77·3	77·1	77·0	77·1	77·1	76·2	76·0	75·9	76·2	76·9	76·8	76·7	77·6	78·0	77·7	76·8	76·5	76·5	76·1	75·2	75·1	74·9	74·1	76·5
6	73·7	74·0	73·9	74·0	73·6	73·0	74·0	73·3	73·5	74·2	74·7	74·9	75·3	75·3	75·0	75·1	74·9	74·9	75·1	75·0	75·4	76·0	76·7	77·1	74·6
7	76·4	76·4	77·0	78·0	78·1	78·5	78·9	79·1	79·5	80·0	80·4	81·7	81·9	81·8	82·1	82·0	82·0	82·0	82·9	82·8	82·7	81·8	81·4	81·2	80·3
8	81·1	81·4	81·4	81·7	82·0	81·0	80·2	80·1	79·1	79·0	79·3	79·3	79·4	78·8	78·6	78·0	77·5	77·3	76·9	75·7	76·3	76·8	76·4	77·1	79·0
9	77·0	77·2	76·9	77·4	75·7	76·5	75·9	75·5	75·0	75·0	75·0	75·6	75·7	75·0	75·0	74·9	75·2	75·0	75·1	74·9	75·2	74·2	75·0	75·3	75·6
10	75·5	74·4	75·0	75·0	75·0	74·8	74·5	75·4	75·9	76·8	77·4	77·9	78·0	77·5	77·8	77·0	76·2	76·3	76·4	75·7	75·2	75·6	74·6	74·5	76·0
11	74·6	74·9	75·0	75·0	75·0	74·8	74·4	74·1	74·6	75·4	76·2	77·1	76·2	76·8	76·5	76·6	76·6	75·6	76·2	75·5	75·1	74·1	73·1	73·5	75·3
12	73·2	72·9	73·5	72·4	71·5	70·3	70·5	71·0	70·3	71·0	71·6	73·4	74·5	76·2	76·4	75·5	74·2	72·3	72·1	71·1	70·6	70·6	69·5	68·4	72·3
13	68·2	67·5	67·4	68·3	69·1	69·3	70·8	71·2	73·3	73·3	73·8	74·7	74·3	75·4	75·7	76·3	77·1	77·1	77·7	78·0	78·1	77·8	78·4	79·3	73·6
14	79·1	80·7	80·9	80·9	80·6	81·2	80·8	80·1	78·7	78·5	78·0	78·3	78·3	77·8	77·6	77·4	76·9	77·5	77·3	77·0	77·0	77·1	77·4	77·3	78·6
15	77·4	77·8	77·3	77·7	77·4	78·0	77·9	78·0	78·6	78·6	78·8	79·2	79·2	79·5	79·4	79·5	80·0	81·5	81·4	81·3	80·9	80·4	80·2	79·8	79·1
16	79·7	80·0	79·9	79·7	79·6	79·6	79·2	78·9	78·7	78·2	79·0	79·0	78·6	79·0	78·8	79·0	78·6	78·6	78·5	78·3	78·4	78·2	78·1	78·1	78·9
17	78·0	78·0	78·4	78·2	78·0	78·1	77·8	78·0	78·0	78·3	78·2	78·1	78·1	78·2	78·1	78·0	78·0	78·0	78·0	78·0	78·0	78·3	77·9	76·9	78·1
18	77·3	77·7	77·6	76·9	77·4	78·4	77·3	77·2	77·2	77·9	78·9	79·8	78·8	78·1	78·5	78·0	78·1	77·8	77·7	78·4	78·8	78·0	77·9	78·0	78·0
19	78·0	78·1	78·2	78·7	80·0	79·5	79·1	79·0	79·1	79·5	79·4	79·6	80·8	81·3	81·9	81·7	82·1	81·8	80·0	78·8	77·7	77·5	76·7	76·2	79·6
20	76·0	75·9	75·8	75·3	75·4	75·2	74·8	74·7	74·7	74·6	74·9	75·3	75·3	75·1	75·0	74·8	74·0	73·2	72·2	72·8	71·8	70·0	70·8	72·7	74·3
21	72·2	73·4	72·2	71·6	73·6	73·7	73·9	74·2	74·9	75·7	76·4	76·9	78·5	80·9	81·0	81·3	81·1	80·8	81·2	81·7	80·5	81·2	81·0	80·9	77·3
22	80·3	80·2	80·6	80·3	80·3	80·9	80·6	80·4	80·1	80·0	80·8	80·3	80·7	80·4	80·3	80·3	78·9	76·7	75·5	74·8	74·6	73·4	73·0	72·8	78·8
23	71·5	71·2	70·8	70·0	69·3	68·0	68·4	69·5	70·7	72·7	74·2	74·8	75·1	76·1	75·9	76·1	76·3	76·5	77·1	77·2	77·7	78·3	78·7	79·3	73·8
24	79·4	79·9	80·0	80·2	80·5	80·7	81·0	81·0	80·9	81·1	81·2	81·8	81·7	82·0	81·4	80·9	80·3	80·4	80·5	80·6	80·8	80·9	80·9	80·9	80·8
25	80·6	80·7	80·6	80·8	80·3	79·8	80·2	80·0	79·9	79·7	79·7	79·8	80·0	80·1	80·0	79·7	79·3	79·3	79·3	79·1	80·2	80·0	79·0	79·2	79·9
26	79·4	79·2	79·3	79·3	79·3	79·0	79·8	79·0	79·9	80·1	80·1	80·1	80·2	80·2	80·1	80·0	79·7	79·8	79·3	79·5	79·8	79·7	79·3	79·4	79·6
27	79·3	79·7	79·7	79·9	79·5	79·6	79·8	80·2	80·6	81·0	81·3	81·9	81·8	82·1	81·9	81·3	81·3	81·5	81·5	81·8	81·9	81·8	81·7	81·7	80·9
28	81·4	81·1	81·2	81·1	81·1	81·1	80·9	80·6	80·6	80·4	80·8	80·9	80·4	80·2	79·6	79·8	79·2	79·0	79·0	79·0	78·8	78·6	78·7	78·8	80·2
29	79·0	79·7	79·2	79·3	79·8	80·8	81·5	81·6	81·5	81·6	81·9	82·2	82·4	82·2	82·1	81·8	81·5	81·1	81·2	81·1	81·2	81·0	81·1	81·0	81·0
30	81·0	81·0	80·9	80·5	80·9	80·7	80·6	80·3	80·5	80·9	80·5	80·9	81·2	81·4	81·2	82·2	82·8	82·7	82·7	82·4	82·2	82·0	82·1	82·5	81·4
31	82·3	82·3	82·2	82·4	82·0	82·0	81·2	80·6	80·0	80·5	80·9	80·8	80·2	80·0	81·0	81·5	81·8	82·2	81·9	82·9	82·5	82·7	82·5	82·2	**81·6**
Mean ...	77·1	77·2	77·1	77·1	77·1	77·1	77·1	**77·1**	77·1	77·5	77·9	78·4	78·5	**78·6**	78·5	78·4	78·2	78·1	78·0	77·9	77·8	77·6	77·5	77·5	77·7

127. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **February, 1923.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	82·3	82·1	82·0	81·8	81·0	80·8	80·6	80·6	80·5	80·4	80·3	80·8	81·9	82·7	82·8	83·0	81·8	82·0	81·9	81·6	82·8	83·2	83·1	83·5	**81·8**
2	83·1	82·3	81·4	80·2	79·8	79·7	79·2	79·0	78·8	78·8	79·1	79·7	79·9	80·0	79·7	79·7	79·7	79·4	79·7	80·1	80·3	80·7	81·8	81·5	80·2
3	81·1	79·2	79·0	78·7	79·3	79·3	79·1	79·0	79·2	80·0	80·0	80·3	80·7	80·6	80·4	78·5	78·8	78·0	77·8	77·8	77·4	77·1	76·8	77·2	79·1
4	77·8	77·2	77·0	76·0	74·8	74·1	73·6	74·1	74·7	75·9	77·7	78·5	79·1	78·0	79·1	77·2	75·0	73·0	73·0	73·0	73·5	74·2	74·0	73·9	75·7
5	74·0	75·8	76·2	77·0	77·7	78·0	78·1	78·0	77·9	78·3	78·7	78·6	78·7	78·9	78·9	78·3	78·4	78·3	78·3	78·3	78·1	78·4	78·7	78·6	77·8
6	78·3	78·1	78·3	77·6	77·6	77·4	77·7	77·6	77·0	76·6	76·0	75·8	76·0	75·9	75·7	75·6	75·8	75·4	75·2	74·8	74·8	74·3	74·4	75·7	76·4
7	75·7	75·7	75·7	75·0	74·3	74·2	74·7	75·6	76·1	74·7	74·9	75·0	76·3	77·2	78·5	79·2	79·0	78·6	78·4	77·7	78·0	78·1	78·0	78·0	76·6
8	77·9	78·0	78·5	79·0	79·7	79·1	80·0	79·0	77·5	77·0	77·2	77·8	77·0	77·1	76·9	76·4	76·8	74·8	74·4	73·8	73·6	73·5	74·0	73·9	76·9
9	74·0	74·0	74·3	74·9	75·3	76·0	76·1	75·9	76·1	77·0	77·8	77·9	78·6	79·1	79·0	78·3	76·8	75·0	75·7	76·1	76·4	76·8	77·0	77·4	76·4
10	77·3	77·3	77·4	77·4	77·2	77·3	77·4	77·4	77·7	77·8	77·9	78·0	78·0	78·0	77·8	78·0	78·2	78·3	78·5	78·7	78·8	79·0	78·9	77·9	77·9
11	77·5	77·8	77·7	78·0	78·0	78·4	78·3	78·2	78·0	78·2	78·5	78·9	78·2	78·0	78·0	77·8	77·7	77·7	77·4	77·2	76·9	77·3	77·6	77·6	77·9
12	77·5	77·5	77·4	77·4	76·9	75·5	75·0	76·3	76·8	76·4	77·1	78·0	78·1	76·1	76·1	75·9	75·9	75·7	75·8	75·7	74·9	74·8	76·1	76·3	76·4
13	76·3	76·3	76·5	75·7	75·0	75·8	75·6	76·2	76·2	76·8	76·8	77·3	77·3	77·0	77·1	76·8	76·7	76·7	76·5	76·3	76·1	76·0	75·6	75·0	76·3
14	74·5	74·0	73·9	73·6	73·5	73·4	73·4	73·1	73·2	73·1	73·2	73·2	73·5	73·8	73·8	73·8	73·9	73·4	73·3	73·2	73·1	73·1	73·0	73·0	73·5
15	73·0	73·0	73·0	73·0	73·0	72·9	72·7	72·3	72·5	73·1	74·2	74·9	75·0	75·0	75·2	75·5	75·5	75·0	74·9	75·0	75·5	75·6	75·7	75·7	74·2
16	75·8	76·1	76·1	76·1	76·2	76·3	76·3	76·5	76·5	76·7	77·4	78·6	78·6	79·0	79·0	79·1	77·3	76·1	76·1	76·2	76·2	76·0	76·1	76·0	76·8
17	75·9	76·0	76·2	76·0	75·6	75·7	75·5	75·1	75·4	75·0	74·9	74·8	74·8	74·6	74·3	74·1	74·0	73·7	73·2	73·0	72·8	72·7	72·6	72·4	74·6
18	72·2	72·2	72·0	72·0	72·0	71·0	70·5	70·4	70·7	70·9	71·1	71·2	71·7	71·8	72·0	72·0	72·1	72·1	72·5	72·5	72·1	72·1	72·5	73·0	71·8
19	72·7	72·9	72·9	73·0	73·0	73·0	72·9	72·9	73·0	73·0	73·0	72·8	73·0	72·8	73·0	72·9	72·5	71·9	71·4	71·5	71·6	71·1	71·2	71·1	72·5
20	71·1	70·8	71·0	71·0	70·9	72·0	71·1	71·5	71·6	72·4	73·5	73·6	74·0	74·4	73·0	72·3	71·2	71·0	70·7	71·2	70·0	70·9	70·9	70·0	71·7
21	69·9	69·8	70·1	70·0	69·9	69·5	68·9	69·2	69·8	70·6	71·8	72·1	72·1	72·8	72·9	72·8	73·0	73·0	73·1	73·0	73·4	73·1	72·9	73·1	71·5
22	73·2	73·2	73·2	73·1	73·0	72·9	72·4	72·5	72·7	73·5	73·1	73·7	74·8	75·0	75·3	74·8	74·2	74·0	73·9	74·0	74·0	73·8	73·6	73·7	73·6
23	73·1	73·3	73·4	73·4	73·1	72·0	70·9	70·2	71·3	73·7	75·0	75·7	76·2	76·2	75·9	76·3	75·0	74·2	74·0	73·0	73·0	73·2	73·9	73·7	73·7
24	73·6	73·6	73·8	73·1	73·1	72·1	73·8	74·7	75·4	75·9	76·2	76·1	76·1	76·3	76·1	76·0	75·8	75·4	75·3	75·5	75·2	75·0	75·0	74·9	74·9
25	74·8	74·6	75·0	75·0	74·8	74·2	74·8	75·0	75·2	75·1	75·4	75·3	75·6	75·7	75·0	75·8	75·6	75·7	75·7	75·3	75·5	75·8	75·4	75·7	75·2
26	75·0	74·9	74·9	75·0	75·0	75·0	76·0	76·2	77·5	77·5	77·5	76·7	76·8	77·2	78·2	79·4	79·0	78·9	78·4	78·0	78·0	77·8	77·3	77·1	76·9
27	77·7	77·3	77·1	77·0	77·1	77·0	77·3	77·7	78·2	78·2	78·0	78·2	77·8	77·7	77·8	78·3	78·3	78·0	78·0	77·9	77·6	77·9	77·7	77·8	77·7
28	77·7	77·4	77·8	77·7	77·7	77·3	77·2	77·4	77·6	77·6	77·6	77·6	78·0	78·6	78·4	78·5	78·1	77·9	77·9	77·5	77·0	76·1	76·7	76·8	77·6
Mean ...	75·8	75·7	75·8	75·6	75·5	75·4	**75·3**	75·4	75·6	75·9	76·2	76·5	76·7	76·7	**76·8**	76·7	76·3	75·8	75·7	75·6	75·6	75·6	75·7	75·7	75·9
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. **The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.**

Readings in degrees absolute at exact hours, Greenwich Mean Time.

128. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **March, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	76·8	76·8	76·9	76·2	76·0	76·0	76·0	76·1	76·3	76·4	76·3	76·4	76·5	76·9	77·1	77·3	77·3	77·4	77·4	77·0	76·4	76·4	76·3	76·2	76·6
2	76·0	75·9	76·1	75·6	76·2	76·0	75·4	75·5	76·3	77·1	77·5	78·8	77·8	78·0	78·0	78·2	76·9	76·1	76·0	76·1	76·4	76·3	76·5	76·1	76·6
3	76·5	76·9	77·0	77·0	76·9	76·8	76·3	76·3	76·7	76·9	77·2	77·9	78·4	77·7	78·0	77·7	77·7	77·5	76·0	76·0	76·6	75·6	76·2	76·0	76·9
4	75·0	75·2	75·5	76·3	76·3	76·1	76·5	76·7	77·6	79·3	78·7	79·7	80·0	81·2	80·2	79·4	78·5	77·0	75·4	75·0	74·3	73·7	73·6	74·0	76·9
5	74·0	73·9	74·3	74·7	74·8	74·7	75·0	75·3	74·6	74·0	75·6	77·8	79·5	81·1	80·8	80·0	79·2	79·3	79·0	78·9	78·8	78·9	77·8	77·3	77·0
6	76·7	76·2	75·8	75·7	76·1	77·0	77·4	78·0	78·1	78·9	79·1	79·0	78·8	78·8	79·5	80·1	79·0	79·0	78·4	78·0	78·2	78·1	77·8	77·8	78·0
7	78·0	78·0	78·0	77·9	78·0	77·9	78·1	77·8	78·5	79·7	79·6	79·9	80·6	79·7	79·5	79·1	78·0	78·1	78·0	77·8	77·9	77·7	77·8	77·3	78·5
8	77·3	76·6	76·9	77·6	77·3	77·0	76·3	76·5	76·6	77·1	77·3	77·8	78·5	78·8	78·5	77·2	77·2	76·9	76·4	76·3	76·0	75·7	75·5	75·1	77·0
9	75·1	74·8	74·3	74·6	74·4	74·3	74·8	75·0	75·9	76·4	77·1	77·1	76·5	77·0	77·2	77·3	75·9	75·8	75·0	75·0	74·1	73·1	73·0	73·3	75·3
10	73·3	73·6	73·3	73·3	73·0	73·3	73·4	73·4	73·9	74·2	74·4	74·6	74·9	75·0	75·1	75·1	75·3	75·2	75·2	75·3	75·3	75·3	74·7	75·4	**74·3**
11	75·3	75·3	75·0	74·9	74·9	74·6	74·5	74·7	75·0	75·0	75·8	76·8	77·1	77·2	77·6	77·2	76·7	76·1	75·8	75·4	75·0	74·7	74·4	74·7	75·6
12	74·3	74·0	74·0	74·2	74·2	74·4	74·7	73·9	74·1	74·7	75·7	76·2	76·7	76·7	76·7	77·0	77·3	77·5	78·1	78·8	78·6	79·5	79·5	79·1	76·2
13	79·0	79·1	78·6	78·6	78·7	78·3	78·1	78·1	78·8	80·7	80·7	81·0	82·2	81·7	81·2	80·5	80·6	78·0	77·0	77·1	77·0	76·3	76·3	76·1	79·0
14	74·8	76·0	76·3	76·2	75·1	74·3	73·9	76·0	78·8	80·0	81·2	80·4	80·7	81·0	80·2	79·3	79·0	77·4	77·0	76·8	76·2	76·1	76·0	76·0	77·4
15	75·9	75·9	76·0	75·7	75·1	75·4	75·1	75·6	76·1	76·9	77·1	77·3	77·8	76·9	77·0	76·3	76·1	75·8	75·7	75·4	75·2	75·2	75·2	75·2	76·0
16	75·2	75·3	75·5	75·8	76·0	76·1	76·2	76·2	77·1	77·8	78·3	79·1	79·9	80·0	80·7	79·8	78·0	77·1	76·0	75·0	74·6	74·4	74·3	74·1	76·8
17	74·8	75·2	75·8	75·8	75·3	76·5	76·5	77·3	78·0	79·0	80·0	80·0	81·3	81·0	81·2	80·5	79·9	78·7	77·4	76·1	75·7	75·7	74·7	75·2	77·6
18	75·0	74·8	74·7	74·8	74·5	74·9	75·2	75·7	78·3	79·4	79·9	81·0	82·0	83·0	83·6	82·7	80·6	78·3	75·6	74·1	74·0	73·4	74·7	74·3	77·3
19	74·0	73·7	74·0	74·0	73·8	74·2	75·0	75·4	76·1	78·0	78·9	80·3	81·3	81·4	81·4	80·2	79·1	76·6	75·0	75·0	75·5	75·0	74·8	74·7	76·5
20	74·3	74·1	73·9	74·2	74·8	75·0	75·7	76·1	76·7	77·5	78·9	81·0	81·0	81·8	81·9	82·0	80·5	78·5	76·3	74·2	75·0	76·0	75·5	74·9	77·1
21	74·0	74·5	73·7	74·3	73·7	73·9	73·8	74·7	75·6	75·9	77·0	79·5	81·2	81·4	82·7	81·0	79·9	79·0	78·5	78·5	77·9	77·0	76·8	76·7	77·1
22	76·3	75·3	75·1	74·3	74·3	74·3	74·0	74·8	77·4	78·5	80·0	80·1	82·4	83·5	83·3	83·1	82·0	79·1	76·0	76·0	75·4	75·8	75·7	75·6	77·6
23	75·7	74·4	74·1	74·0	73·7	72·9	74·3	76·2	76·9	77·7	79·2	80·0	81·1	81·7	82·1	82·0	80·9	78·1	76·1	74·5	73·8	73·4	73·1	70·4	77·6
24	70·8	71·0	71·4	72·0	71·9	71·6	71·5	71·8	72·4	73·9	78·0	80·3	81·1	82·5	83·6	84·2	82·5	80·5	78·4	76·7	76·0	75·1	75·1	76·0	76·1
25	76·3	76·4	76·0	75·7	75·0	74·0	73·7	75·8	79·2	80·9	81·1	81·9	82·3	83·0	81·8	81·1	80·9	80·1	79·0	77·9	77·1	77·1	75·0	74·0	78·2
26	74·0	74·6	75·2	75·4	75·0	75·1	76·0	77·4	79·4	82·9	84·7	85·1	85·7	86·3	86·1	85·7	85·0	84·3	83·8	83·1	83·0	82·8	82·7	82·6	80·1
27	81·8	81·8	82·5	82·3	82·8	83·0	83·4	83·9	84·3	85·8	86·4	86·9	87·0	87·7	88·9	88·6	88·0	87·5	86·9	86·3	85·3	84·1	84·0	83·5	**85·0**
28	83·1	82·8	82·5	81·9	81·3	80·9	80·8	81·0	81·1	81·8	82·2	82·3	83·7	83·3	82·8	82·7	82·2	82·0	81·1	80·4	80·2	80·0	80·1	80·0	81·8
29	78·8	77·8	77·3	77·2	75·7	75·6	75·0	75·7	78·7	81·9	84·0	85·8	86·5	86·3	86·3	85·1	85·1	83·1	80·3	78·0	75·9	76·9	76·9	76·1	80·1
30	76·9	76·5	75·3	75·0	74·7	74·0	74·0	76·0	78·7	80·1	80·6	82·1	82·0	82·9	84·7	84·4	83·3	82·6	79·5	78·0	78·7	78·2	75·8	74·2	78·7
31	74·0	73·2	73·1	73·7	74·3	74·6	75·0	75·7	77·1	80·4	80·3	80·5	81·2	81·3	80·8	79·2	79·5	78·8	78·3	78·7	78·6	78·7	78·5	78·4	77·6
Mean ...	75·9	75·8	75·7	75·8	75·6	**75·6**	75·7	76·2	77·2	78·3	79·1	79·9	80·5	80·8	**80·9**	80·5	79·7	78·8	77·7	77·1	76·9	76·7	76·4	76·1	77·6

129. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **April, 1923.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	78·2	78·5	78·0	77·9	77·9	77·5	78·0	78·4	78·6	78·1	78·9	78·9	78·9	79·0	79·3	79·7	79·9	80·2	79·5	77·9	76·3	77·1	77·9	78·1	78·5
2	78·6	78·5	78·5	78·3	78·5	78·3	78·3	78·6	78·7	79·0	79·6	79·3	79·9	79·8	79·5	79·5	79·8	79·8	79·3	79·1	78·3	77·6	77·7	77·0	78·8
3	77·2	77·1	76·3	74·6	75·6	75·9	76·1	76·7	78·3	81·0	82·7	83·0	83·4	84·0	84·8	84·1	83·2	82·5	79·1	79·1	80·3	79·7	79·3	79·4	79·7
4	79·1	79·1	79·2	79·3	79·8	79·9	80·1	80·1	81·9	83·1	83·2	83·9	83·9	84·0	83·9	82·4	82·0	81·0	80·8	80·7	81·2	80·9	79·9	79·1	81·2
5	78·3	77·5	76·8	76·6	76·2	76·2	76·5	77·4	78·8	81·3	83·0	83·0	82·9	82·9	82·9	82·4	81·5	79·7	77·5	76·1	74·5	75·8	76·1	76·0	78·8
6	75·7	75·7	75·1	75·1	75·8	75·9	76·1	76·3	76·4	76·4	76·3	77·0	76·8	76·8	77·1	77·2	77·3	76·7	76·5	76·1	75·8	75·7	75·6	75·7	76·2
7	75·7	75·3	75·0	75·2	75·3	74·3	74·3	75·5	76·4	76·9	77·2	77·8	79·3	79·7	79·9	80·8	79·8	78·6	78·0	77·8	77·8	77·5	77·7	78·1	77·2
8	78·3	78·0	77·7	77·7	77·6	77·0	77·1	77·8	77·6	79·2	79·0	79·1	79·3	79·4	79·5	78·7	77·9	76·4	74·7	75·0	74·9	74·6	74·4	74·5	77·4
9	74·7	74·6	74·4	74·3	74·2	74·1	74·8	75·5	75·9	76·2	76·7	76·7	76·9	77·1	77·1	76·9	75·8	75·8	74·7	74·5	74·4	74·3	74·8	74·3	75·4
10	73·8	73·9	73·9	73·9	74·0	74·1	74·0	74·0	74·5	75·3	75·4	76·5	77·9	78·1	78·8	78·4	78·2	77·3	75·6	76·1	76·0	75·8	75·0	74·3	75·6
11	75·0	75·2	76·0	77·0	77·9	77·9	78·1	79·0	80·7	81·1	82·3	83·8	83·7	84·4	85·1	85·1	84·8	83·0	81·4	80·2	79·5	79·2	79·0	78·1	80·2
12	77·5	77·2	77·1	77·3	77·9	78·0	77·9	78·0	78·2	78·5	79·6	80·2	81·4	81·2	83·1	83·1	83·2	83·0	82·3	82·4	81·7	81·7	81·0	80·0	80·0
13	79·9	80·0	79·7	79·6	79·4	79·3	79·5	78·3	78·7	79·6	80·0	81·2	81·4	81·6	80·8	82·0	82·0	81·7	81·1	81·0	80·3	80·1	79·9	79·0	80·3
14	78·2	77·9	77·9	77·8	77·5	77·7	78·0	78·0	79·3	78·9	78·7	78·2	78·0	78·0	77·5	77·0	77·7	77·2	76·3	76·1	75·6	75·0	75·3	74·7	77·4
15	74·5	74·2	74·1	73·9	73·9	73·8	76·0	77·1	80·3	80·8	81·0	81·7	82·4	83·4	81·6	81·6	81·9	80·7	79·8	78·9	77·3	76·3	76·0	75·0	78·2
16	74·2	75·9	76·1	76·2	76·2	75·7	75·9	76·2	77·1	77·9	78·2	79·1	79·8	79·9	80·5	81·0	81·0	79·1	78·5	77·5	75·8	72·4	73·0	72·3	77·1
17	71·8	71·1	71·0	72·0	72·0	73·0	74·1	77·3	78·9	80·0	80·6	81·4	81·7	82·0	81·9	81·3	81·3	79·8	77·3	75·1	73·4	73·0	72·6	72·1	76·4
18	72·0	71·0	70·9	70·2	70·6	71·3	73·9	75·0	76·0	76·3	77·1	77·1	77·5	77·4	77·3	77·2	76·8	76·4	76·0	75·6	75·3	75·0	74·9	74·1	**74·7**
19	73·0	73·8	74·1	74·3	74·3	74·9	75·3	75·8	77·9	78·5	78·1	78·8	77·9	77·7	77·7	77·9	77·3	77·0	76·5	75·8	73·6	73·1	72·9	71·5	75·8
20	73·0	72·4	71·2	70·7	71·5	72·0	75·7	76·9	77·4	78·3	79·1	78·8	79·1	79·1	79·3	79·4	78·9	78·0	76·7	75·9	75·5	74·8	74·2	74·9	75·9
21	74·7	74·4	74·5	74·3	74·5	74·3	74·9	75·1	75·6	77·0	76·1	77·0	76·0	76·1	76·1	75·8	76·5	76·0	75·6	75·5	75·7	75·5	75·6	75·6	75·5
22	75·7	75·6	75·5	75·0	74·9	75·0	75·5	76·1	78·1	78·7	78·9	80·3	79·1	78·9	79·6	79·0	78·5	78·7	76·9	73·1	73·8	74·2	74·2	74·2	76·7
23	74·3	75·8	75·7	75·2	74·9	73·9	75·7	77·8	78·9	77·5	76·1	75·5	77·3	78·1	77·9	78·8	77·5	76·5	74·9	73·3	72·5	71·1	70·4	71·0	75·5
24	71·4	69·9	71·0	71·3	70·0	72·6	75·0	76·6	78·1	79·1	79·1	80·0	79·4	80·9	80·1	80·2	79·4	77·7	76·1	75·4	75·5	75·2	75·6	74·2	75·9
25	73·2	73·3	73·1	73·0	73·0	73·2	76·3	78·0	78·8	78·9	79·9	80·2	80·4	79·9	78·9	81·1	81·5	80·1	79·8	79·6	78·4	78·4	78·4	78·8	77·7
26	78·7	78·7	78·5	78·2	78·3	78·0	77·8	78·8	78·8	79·9	80·2	80·0	82·1	80·2	79·6	77·7	79·7	79·6	78·4	77·2	77·0	76·2	75·8	75·0	78·6
27	74·3	73·6	72·9	72·0	71·8	72·1	76·1	77·6	78·8	80·0	80·0	80·0	80·1	80·1	80·0	79·2	79·2	79·3	77·6	76·2	74·3	74·1	73·1	73·8	76·5
28	73·3	72·7	70·9	70·8	69·1	70·1	74·2	78·4	79·1	78·3	79·7	78·2	78·0	79·1	79·9	80·3	80·7	79·8	78·7	77·8	77·6	76·1	75·0	74·0	76·3
29	74·1	74·6	75·3	75·1	75·0	76·0	77·8	79·3	80·0	81·9	81·0	81·8	81·8	82·4	81·7	82·0	82·0	80·1	79·4	78·0	78·2	78·0	78·0	77·7	78·7
30	77·0	77·2	77·4	77·4	78·0	82·0	82·3	82·2	83·0	82·8	83·0	83·1	83·1	83·4	84·3	83·2	83·0	83·2	82·9	83·0	82·7	82·0	81·2	81·0	**81·5**
Mean ...	75·5	75·4	75·3	**75·1**	75·2	75·5	**76·5**	77·4	78·4	79·0	79·4	79·7	80·0	80·1	**80·2**	80·1	79·9	79·2	78·1	77·3	76·8	76·3	76·1	75·8	77·6
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24	Mean

NOTE. The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

130. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **May, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	81·0	80·3	79·9	79·7	79·5	79·8	80·9	81·5	82·3	84·0	83·7	83·4	84·2	84·5	83·5	84·7	84·8	84·5	82·8	82·1	81·9	81·3	80·5	79·9	82·1
2	78·0	76·7	78·7	78·6	77·5	78·9	80·7	81·5	82·7	83·5	84·9	85·3	85·2	86·8	83·9	84·1	83·1	81·4	80·2	79·7	79·3	78·0	78·1	78·2	81·1
3	78·3	78·4	78·0	77·8	76·1	76·2	77·4	80·9	83·7	85·2	86·6	86·7	87·0	88·6	87·3	89·0	88·1	87·1	85·6	82·9	80·7	79·9	79·4	78·8	82·5
4	78·0	77·1	76·0	75·7	76·1	80·0	82·8	82·0	82·3	83·0	85·2	84·7	84·8	85·0	85·1	85·7	84·2	84·0	83·3	82·5	81·6	81·6	81·3	81·5	81·8
5	81·5	81·3	81·2	80·9	81·0	81·7	82·0	82·9	83·0	83·6	86·0	86·8	86·4	86·4	86·0	86·7	86·6	85·9	84·2	82·5	81·6	79·9	78·4	76·9	**83·2**
6	76·3	77·8	78·3	79·0	79·0	80·1	82·3	82·7	81·6	81·0	81·7	83·0	83·2	83·6	84·0	81·5	80·2	80·1	80·0	79·5	78·7	76·7	75·7	75·8	80·1
7	74·6	72·4	72·1	71·1	70·0	73·2	77·1	79·5	81·1	82·0	82·7	83·7	84·0	84·9	84·0	84·9	84·3	81·7	80·3	78·4	78·8	78·0	78·6	78·0	78·9
8	78·9	78·0	78·3	78·6	77·0	79·1	79·7	80·7	81·3	81·5	83·3	82·2	84·8	84·1	85·1	83·7	83·0	82·7	80·7	77·0	76·0	76·0	75·6	73·3	80·1
9	73·3	71·4	70·3	70·0	70·8	72·0	74·2	76·1	77·7	76·9	79·3	78·0	80·4	81·1	80·9	80·3	79·8	76·1	76·3	75·4	75·0	75·0	74·8	74·3	**75·8**
10	73·7	73·3	72·8	72·3	72·7	73·8	76·0	76·5	77·6	78·9	79·8	78·2	76·6	76·7	77·0	76·4	76·5	77·8	78·3	75·8	76·5	77·0	76·0	76·5	76·1
11	75·8	75·9	75·1	75·2	75·1	75·9	76·3	77·6	77·2	76·6	77·3	76·9	76·0	77·0	76·2	76·0	76·0	76·0	75·6	75·2	75·3	75·0	74·9	74·4	76·0
12	74·4	74·0	74·1	74·0	74·2	75·1	76·4	76·5	77·4	80·4	80·9	79·5	78·7	75·7	80·9	81·0	80·3	78·7	77·3	76·0	75·2	74·6	74·0	74·2	76·8
13	74·2	73·8	74·0	73·9	74·0	74·6	75·4	76·2	78·7	79·2	80·0	81·0	82·4	81·8	82·6	80·2	80·3	81·0	80·0	78·6	77·8	77·8	77·0	77·0	77·9
14	76·0	75·1	74·3	73·8	74·0	74·9	76·1	76·2	76·7	77·2	77·9	79·0	75·9	80·0	79·9	79·7	78·3	77·5	77·0	76·9	77·1	76·8	76·8	76·1	76·8
15	75·9	74·6	73·7	73·3	73·8	74·3	74·9	76·9	75·9	75·3	78·6	79·4	79·8	81·5	82·2	82·1	80·5	80·1	79·5	77·0	75·5	75·0	75·9	76·1	77·2
16	76·0	76·0	75·4	75·0	74·9	75·3	76·3	76·7	77·9	78·6	79·6	80·8	81·0	76·1	79·1	81·5	76·6	76·1	76·3	74·8	75·4	74·9	75·0	75·0	76·9
17	75·0	74·5	74·0	73·0	73·8	75·0	75·9	77·7	77·7	77·6	79·0	79·7	81·0	83·1	80·8	82·3	80·1	79·7	79·0	77·8	76·0	76·0	74·5	74·1	77·4
18	73·8	73·2	75·0	73·0	72·4	73·5	76·4	78·3	79·1	80·1	80·6	81·0	79·8	80·2	79·9	80·0	80·3	80·0	79·6	79·1	78·8	79·0	79·0	79·1	77·9
19	79·0	78·9	79·0	78·8	78·7	79·0	79·4	80·0	81·0	81·7	82·0	82·9	83·0	82·8	82·8	82·9	82·0	81·9	81·9	81·3	80·7	80·6	80·1	79·9	80·8
20	79·9	79·9	79·8	79·7	79·6	79·7	80·0	80·1	80·9	80·3	80·7	81·3	81·6	81·6	81·5	81·7	82·0	81·5	81·5	81·0	79·9	79·4	78·0	78·6	80·5
21	78·7	77·9	77·8	77·4	78·2	78·2	79·1	80·0	81·0	82·0	83·0	82·7	83·0	83·3	83·2	84·5	84·1	82·0	81·3	81·3	79·6	79·1	78·8	78·7	80·6
22	78·7	77·8	77·0	76·7	76·9	78·3	80·7	82·2	83·1	83·0	83·9	82·8	83·0	81·1	80·6	79·4	79·1	79·1	78·4	78·0	77·3	77·2	76·6	76·2	79·5
23	76·3	76·0	75·9	75·3	75·3	76·4	78·8	80·1	81·6	78·3	80·9	77·9	79·5	78·4	79·7	80·2	80·7	80·7	80·5	79·6	77·4	75·8	74·5	74·0	78·1
24	74·3	74·0	73·0	72·7	72·8	73·9	79·3	81·0	82·3	82·3	83·0	82·4	81·6	81·0	81·3	81·1	80·9	80·1	79·8	79·8	80·0	80·0	78·7	78·6	78·8
25	78·2	78·0	77·8	77·8	78·0	78·2	78·8	79·1	79·4	81·8	82·2	81·4	79·1	80·7	81·4	81·3	81·2	79·8	79·9	78·1	77·9	77·7	77·5	77·3	79·3
26	77·3	78·0	77·1	77·8	77·8	78·0	79·1	79·8	81·5	82·0	80·9	79·7	81·5	80·0	81·7	80·8	80·4	79·5	79·7	77·9	78·0	78·3	78·2	78·1	79·3
27	77·8	78·2	78·1	78·1	78·7	79·5	80·4	80·3	81·3	82·0	82·4	83·6	83·0	83·0	83·3	83·4	82·3	81·0	80·0	79·2	79·3	78·3	78·1	77·8	80·4
28	78·1	78·1	77·0	76·9	77·0	77·0	77·8	77·8	79·0	80·1	80·5	80·2	80·3	79·8	80·1	80·1	80·0	79·1	78·7	77·7	77·2	77·8	77·4	77·4	78·6
29	77·0	77·1	77·0	77·0	77·0	77·7	80·0	81·0	82·3	83·0	84·0	84·1	83·5	83·0	83·2	83·2	82·1	81·7	80·7	79·7	79·2	78·9	78·7	78·3	80·4
30	78·0	78·0	78·1	78·1	78·1	78·3	78·4	79·4	81·4	80·7	79·7	81·7	81·8	82·4	82·8	82·5	82·0	81·7	80·7	79·6	78·9	78·4	78·1	78·0	79·9
31	77·9	77·9	77·3	77·2	77·6	77·9	78·2	79·1	79·3	79·0	80·2	80·5	80·8	81·6	81·9	81·4	81·7	81·1	80·3	80·1	79·8	79·4	79·4	79·1	79·5
Mean ...	77·0	76·6	76·3	76·1	**76·1**	76·9	78·4	79·4	80·3	80·7	81·6	81·6	81·7	81·8	82·0	**82·0**	81·3	80·6	80·0	78·9	78·3	77·9	77·4	77·1	79·2

131. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **June, 1923.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	79·0	78·8	79·1	79·0	78·7	79·1	79·8	80·0	81·2	82·5	84·9	83·5	85·2	86·3	86·1	86·0	86·2	86·3	85·5	84·8	84·0	83·5	81·6	80·5	82·5
2	80·6	78·9	79·1	78·7	78·7	79·0	79·4	81·0	83·2	86·0	87·9	89·8	91·1	91·6	91·6	91·6	91·6	91·2	89·9	87·1	86·6	86·2	86·4	85·7	85·4
3	83·8	81·8	80·5	79·1	79·7	80·8	86·2	86·8	86·1	86·8	86·7	85·9	85·6	86·1	85·8	85·6	85·3	84·3	83·0	81·8	81·0	81·1	81·0	81·0	83·7
4	79·0	78·1	78·2	77·5	77·7	78·1	79·0	79·1	80·1	81·1	81·3	82·0	82·8	83·0	83·3	82·5	81·9	81·3	80·7	80·4	79·7	79·3	79·0	77·1	80·2
5	78·2	77·0	75·5	74·0	75·1	78·0	80·1	82·0	83·0	82·4	83·1	83·8	83·2	83·2	83·6	83·6	83·1	82·8	82·1	82·0	82·0	81·9	81·6	81·0	80·8
6	80·9	80·9	80·7	79·3	78·9	78·7	79·1	79·0	80·7	81·6	82·9	82·5	82·9	83·7	83·7	85·0	84·7	83·9	82·8	82·1	82·0	81·9	81·3	81·6	81·7
7	81·8	81·7	81·7	81·5	81·9	82·1	83·3	83·7	84·2	85·1	85·8	85·2	85·5	85·4	86·3	85·5	85·7	83·9	83·1	83·0	82·0	82·0	82·1	81·9	83·5
8	81·8	81·8	81·8	81·8	81·9	82·0	82·0	82·1	82·4	82·2	82·3	82·0	82·4	82·2	82·8	82·7	83·0	83·1	83·3	83·1	83·0	82·9	83·0	83·3	82·5
9	83·0	83·0	83·0	82·9	82·9	82·9	82·9	83·3	84·0	86·3	86·8	86·8	86·5	86·9	86·0	85·1	85·0	84·7	84·2	84·3	84·0	83·7	83·7	83·8	84·4
10	83·7	84·0	84·4	83·1	83·0	83·0	83·0	83·2	82·7	82·9	83·1	83·7	84·7	84·5	83·7	83·2	84·0	83·3	83·0	82·3	82·0	81·1	81·2	80·9	83·1
11	80·0	79·3	79·1	78·3	78·7	79·5	81·0	81·3	82·9	84·2	85·1	86·0	86·9	85·8	86·5	87·0	85·8	83·9	83·7	81·3	79·5	79·8	79·9	79·7	82·3
12	80·0	79·2	78·5	79·3	79·8	81·0	80·9	80·7	80·6	81·1	81·3	81·5	82·1	83·1	84·0	84·9	84·7	84·7	84·9	84·7	84·0	83·7	83·5	83·9	82·1
13	84·3	84·5	84·0	83·9	83·3	83·3	82·9	82·1	83·8	83·0	83·0	83·8	84·2	84·0	83·5	83·5	83·3	83·0	83·0	82·3	81·7	81·2	81·2	80·6	83·1
14	80·0	78·9	78·1	78·0	79·6	80·3	81·5	82·3	82·3	84·4	84·3	85·5	86·6	86·9	87·8	86·8	87·2	84·8	83·0	82·6	80·2	79·2	76·8	75·2	82·3
15	74·2	73·2	72·4	72·5	74·2	76·0	77·5	79·8	79·9	80·6	80·9	81·2	81·4	81·8	82·2	82·3	82·0	83·7	82·4	82·2	81·0	81·0	80·8	80·0	**79·2**
16	79·3	78·5	77·5	76·7	77·0	78·5	79·7	80·1	81·2	81·3	81·9	81·7	82·4	82·9	83·0	82·9	82·9	82·4	82·0	81·0	79·7	76·3	75·6	74·0	80·1
17	73·2	72·8	71·8	73·6	74·4	76·3	81·2	82·6	83·6	84·0	85·0	85·6	86·3	85·6	85·5	86·0	86·0	85·0	83·4	82·2	81·7	81·3	80·9	80·3	81·1
18	80·6	81·0	81·6	81·9	82·1	82·3	83·1	84·0	85·4	86·1	86·9	88·5	91·8	92·0	92·8	93·0	91·7	88·8	86·4	85·7	84·0	82·8	82·0	81·0	85·6
19	81·0	81·0	80·2	79·7	81·0	82·1	83·0	83·8	84·1	84·0	86·3	85·1	84·7	84·0	84·9	83·0	84·0	83·0	82·9	82·1	81·2	81·1	80·2	81·0	82·7
20	81·0	79·2	79·8	79·0	79·3	81·2	81·7	82·6	84·2	84·2	87·0	87·1	87·9	88·4	87·1	87·2	86·2	86·6	86·2	84·2	83·1	83·2	83·0	82·9	83·5
21	83·4	82·8	84·0	84·0	84·2	84·7	84·3	84·7	85·1	85·9	86·0	86·7	86·7	87·2	87·8	86·6	86·3	86·8	84·5	84·0	83·9	84·1	84·6	84·5	85·1
22	84·8	84·9	84·8	84·7	84·3	84·9	85·0	85·5	85·9	86·1	87·0	88·0	87·3	87·0	87·5	87·2	87·0	85·4	85·0	84·8	84·7	84·2	85·5	84·7	85·7
23	84·1	84·0	84·0	83·9	83·9	84·4	85·2	86·8	88·6	89·8	89·7	91·4	91·7	91·8	92·0	91·9	91·7	87·8	87·3	86·4	85·6	84·9	85·0	85·0	87·4
24	84·2	84·1	85·1	85·0	85·0	86·1	86·2	86·7	87·0	87·3	87·0	87·5	88·2	87·8	85·9	85·9	86·0	85·6	84·9	84·1	83·8	83·7	83·6	80·7	85·6
25	80·1	79·9	79·8	79·3	80·0	81·0	82·9	83·1	84·6	85·0	86·1	86·5	86·9	85·8	86·4	86·8	86·8	85·7	84·2	83·3	80·8	78·3	77·0	76·1	82·9
26	75·9	75·0	74·4	74·8	76·6	80·0	84·7	85·1	86·8	87·3	87·5	88·7	88·9	89·8	89·7	88·8	89·3	88·2	86·9	85·2	84·0	83·0	82·4	82·0	83·8
27	81·3	80·9	81·1	81·1	81·6	82·4	83·3	84·6	86·8	87·8	89·2	89·0	89·7	88·5	87·6	87·8	87·5	86·9	86·0	85·6	85·5	85·5	85·3	85·0	85·4
28	85·5	84·6	84·8	85·1	85·0	85·0	86·0	86·9	88·3	90·5	89·3	90·0	91·0	91·7	91·8	92·7	92·0	90·4	89·0	87·0	84·3	83·2	81·1	80·7	**87·4**
29	79·9	78·6	77·9	76·9	78·1	80·2	84·5	88·5	89·3	89·5	90·8	91·2	90·8	91·4	91·4	90·2	86·9	88·9	87·8	85·0	83·4	82·4	82·7	82·6	85·5
30	82·2	82·2	83·0	82·8	82·8	82·9	83·0	83·5	86·2	86·5	85·1	84·0	84·9	84·8	85·4	85·0	85·0	84·2	84·1	83·1	82·8	81·8	81·8	82·1	83·7
Mean ...	80·9	80·3	80·2	**79·9**	80·3	81·2	82·4	83·2	84·1	84·9	85·5	85·8	86·3	86·4	**86·5**	86·3	86·2	85·4	84·5	83·6	82·7	82·1	81·8	81·3	83·4
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

132. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **July, 1 23.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	82·2	81·2	80·7	81·0	82·0	82·7	83·7	85·1	86·2	85·8	85·0	85·4	85·8	86·1	87·8	88·0	86·9	85·2	85·0	84·0	83·1	83·1	82·8	82·9	84·2
2	83·0	83·0	83·0	83·0	83·3	83·8	84·1	84·5	84·8	86·0	86·7	86·6	86·2	86·0	85·5	86·0	85·7	85·0	85·0	85·0	85·0	84·9	84·7	84·6	84·8
3	84·5	84·5	84·8	84·8	84·9	84·9	84·9	85·8	85·7	85·1	85·7	86·0	86·3	87·9	87·9	88·0	87·8	87·1	86·4	85·6	85·0	84·9	84·8	84·3	85·7
4	84·3	84·2	84·2	84·1	84·5	84·9	85·2	85·7	86·7	87·5	86·0	86·8	86·7	86·2	86·0	86·0	85·9	85·4	85·1	85·0	85·0	85·0	85·0	85·0	85·4
5	85·0	85·2	85·7	85·8	85·6	85·8	85·9	86·3	86·6	86·8	87·2	87·5	88·2	88·0	88·5	88·7	88·9	90·4	89·7	89·0	87·4	86·3	86·8	85·3	87·1
6	86·4	86·7	86·2	86·5	87·0	88·4	90·2	92·5	94·7	96·9	97·5	98·0	98·6	99·0	99·3	98·6	97·8	97·5	96·1	94·7	92·7	92·0	91·1	90·1	**93·2**
7	89·4	89·0	88·7	88·3	88·9	90·3	91·4	93·8	95·2	98·2	97·5	93·6	93·8	92·8	94·8	95·3	94·3	93·3	93·0	92·0	90·7	90·3	88·7	88·1	92·2
8	87·8	87·2	87·0	86·2	86·2	86·2	86·7	86·4	87·0	87·2	87·8	87·4	87·7	89·5	90·2	90·2	89·9	89·0	87·9	85·7	85·4	85·4	85·3	85·4	87·3
9	85·7	85·6	85·6	85·4	86·7	87·0	88·0	89·0	89·7	89·2	91·0	92·1	92·6	93·0	93·2	92·2	92·6	93·3	92·8	91·1	89·8	89·1	88·5	89·3	89·6
10	89·3	88·4	87·1	87·8	87·9	88·1	88·0	87·8	87·8	89·0	89·0	89·6	91·0	91·7	91·8	93·0	91·8	90·2	89·2	88·7	88·2	88·1	87·9	88·0	89·2
11	87·5	87·1	87·1	86·7	86·7	87·3	87·9	90·7	91·4	92·5	93·5	94·9	96·0	96·8	97·4	96·5	96·0	95·2	95·0	92·5	90·2	87·9	86·0	84·2	91·2
12	82·5	82·5	82·6	82·3	83·0	84·5	86·1	88·4	93·2	94·3	95·0	95·0	96·0	96·3	96·8	96·8	97·3	96·0	94·1	91·6	88·9	86·2	85·3	84·5	90·0
13	83·7	83·6	83·8	83·0	84·7	86·7	87·1	89·5	92·0	92·3	93·0	94·7	95·2	96·0	96·0	95·5	94·4	93·3	90·5	89·0	87·5	86·5	86·0	86·0	89·5
14	85·7	85·2	85·0	84·0	85·5	85·9	86·4	88·1	89·6	89·8	89·3	91·2	92·3	92·7	92·0	91·5	91·0	89·7	88·9	88·1	87·2	86·9	86·2	86·4	88·3
15	86·1	86·4	86·5	86·6	86·7	86·8	87·0	87·1	87·7	88·0	87·9	87·2	86·6	86·5	86·4	86·3	86·3	86·2	85·5	85·3	85·2	85·5	85·8	86·0	86·5
16	86·1	86·1	86·7	86·3	86·3	86·8	86·8	87·2	87·3	87·5	86·4	88·6	88·8	88·5	87·7	88·3	87·0	86·9	86·5	85·0	85·0	85·0	84·6	84·1	86·7
17	83·0	82·9	83·5	83·6	83·7	83·8	84·0	85·1	83·7	85·0	85·1	85·0	84·3	86·2	87·3	84·1	85·2	84·3	84·1	84·1	83·8	82·6	81·9	80·7	**84·1**
18	79·9	81·4	81·1	80·9	81·1	83·0	84·7	84·6	84·9	85·6	85·6	87·0	86·2	86·5	87·4	87·4	87·3	88·0	86·0	85·9	83·0	83·5	83·8	82·2	84·4
19	82·9	82·1	81·6	81·4	82·2	83·1	83·5	83·5	83·1	83·0	84·4	84·3	84·9	85·3	86·9	88·1	88·1	87·9	88·1	88·0	87·4	87·7	88·0	88·4	85·0
20	88·2	88·5	88·2	88·2	88·0	87·7	87·2	87·7	88·4	88·9	89·6	90·0	91·3	91·8	91·6	88·2	88·3	88·0	89·0	88·7	88·5	88·3	88·4	88·0	88·8
21	87·9	87·7	87·4	86·5	85·3	85·2	85·3	86·0	87·7	89·1	89·0	91·2	90·8	90·3	89·6	89·2	89·8	90·0	89·5	88·3	88·0	87·3	87·2	87·3	88·2
22	87·7	88·0	88·2	88·4	88·4	88·1	88·0	88·1	88·6	88·8	89·1	89·3	89·6	89·3	89·0	88·9	89·2	89·0	88·1	88·0	87·6	87·2	87·0	86·8	88·4
23	86·6	86·3	86·4	87·0	87·1	87·3	87·3	87·8	87·5	87·6	87·9	89·5	90·2	88·9	87·1	87·0	86·5	85·1	85·0	84·4	83·9	84·2	83·9	83·0	86·6
24	83·1	83·0	83·2	83·1	83·5	83·8	83·7	85·3	87·4	88·4	89·0	89·1	88·0	88·3	87·8	87·0	85·8	85·0	84·3	84·3	84·2	84·6	84·9	85·1	85·5
25	85·3	85·5	85·8	86·2	86·3	86·3	86·1	87·2	87·4	88·0	88·5	88·6	86·9	89·6	88·4	87·8	86·4	85·1	84·0	83·3	83·1	82·8	83·1	82·7	86·1
26	82·7	82·8	82·7	82·7	82·7	82·9	83·5	84·9	85·1	86·0	86·2	87·3	87·0	87·5	86·9	85·1	85·3	84·9	83·9	83·0	82·9	82·3	82·7	81·8	84·3
27	81·3	80·9	80·1	80·0	80·3	83·1	83·8	85·3	86·9	87·3	86·8	88·1	88·0	87·9	87·5	86·6	86·7	85·1	84·7	83·9	83·2	82·9	82·9	82·8	84·4
28	82·9	82·7	82·7	82·9	83·0	83·3	83·9	84·2	84·5	84·9	85·4	85·8	86·1	86·9	87·0	87·3	87·1	86·0	85·1	84·8	84·1	84·0	83·8	83·5	84·7
29	83·7	83·8	83·9	83·8	83·9	84·2	84·9	85·3	86·3	85·3	86·3	87·0	86·0	86·9	85·4	85·7	85·7	85·3	85·1	85·2	85·1	85·0	85·0	85·1	85·1
30	85·1	85·0	84·8	84·8	84·0	84·9	84·7	86·4	87·8	87·2	88·0	86·9	87·7	88·5	87·6	86·8	86·4	86·0	85·9	85·3	85·0	84·9	84·9	84·1	86·0
31	83·7	83·7	83·5	83·6	83·9	84·5	85·5	85·8	85·0	85·8	87·1	85·3	88·5	85·2	85·0	86·0	87·4	84·5	83·9	84·0	83·7	83·1	84·0	83·2	84·9
Mean ...	84·9	84·9	84·8	**84·7**	84·9	85·5	86·0	86·9	87·7	88·3	88·6	89·0	89·3	**89·5**	89·5	89·2	89·0	88·3	87·7	86·9	86·1	85·7	85·5	85·1	87·0

133. Eskdalemuir : Louvred Hut : $h_t = 0·9$ metre. **August, 1923.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	83·6	82·8	83·7	84·0	84·0	84·0	84·5	85·0	86·5	87·4	88·0	86·2	88·3	90·0	90·5	88·6	87·0	87·0	87·1	85·0	83·1	80·4	79·3	78·1	85·3
2	77·2	76·9	77·2	79·4	79·7	81·7	83·0	84·4	85·0	84·8	85·1	84·9	85·3	85·9	86·6	86·0	86·5	85·6	84·6	84·7	84·9	85·1	85·1	84·7	83·4
3	85·0	85·4	85·4	85·1	84·2	84·3	84·4	83·7	83·7	84·6	85·1	85·4	87·0	87·0	86·8	87·7	85·6	86·9	85·0	84·4	83·9	83·1	83·5	83·0	85·1
4	83·5	83·0	83·0	82·1	82·7	83·5	84·2	84·5	85·9	86·5	88·5	89·5	90·2	90·9	90·9	89·6	87·9	87·3	86·7	85·5	83·5	81·5	79·8	80·0	85·5
5	79·8	79·5	78·5	79·2	80·5	82·5	85·3	87·0	88·8	90·1	92·8	93·4	93·8	93·1	93·5	89·2	89·1	89·0	88·4	87·6	87·4	87·0	87·0	86·9	86·9
6	86·6	86·0	85·6	85·1	84·6	85·0	85·8	86·0	87·2	89·6	89·6	89·8	87·2	87·4	87·1	86·4	86·4	86·3	86·3	86·2	86·2	86·1	86·6	86·8	86·7
7	86·9	86·7	86·6	86·6	86·5	86·3	86·4	86·8	86·9	87·3	87·5	87·9	88·1	88·2	88·9	89·6	89·0	89·5	87·0	85·5	84·0	83·9	82·5	82·0	86·8
8	81·8	81·1	81·4	81·6	81·2	81·1	84·1	86·4	88·6	91·0	89·9	89·2	87·7	88·2	88·0	87·4	87·4	87·6	87·5	87·5	87·7	87·9	87·9	87·6	86·1
9	87·2	87·0	86·9	86·7	86·8	86·9	87·0	87·6	88·3	89·1	90·6	91·7	91·3	91·8	91·3	91·6	90·2	89·0	88·0	85·8	84·2	84·8	85·8	85·6	**88·2**
10	85·0	85·0	83·9	83·2	83·5	83·8	84·3	85·7	86·4	88·4	88·0	88·0	88·5	88·4	88·7	88·9	88·0	88·2	86·6	85·4	83·4	82·6	82·5	81·8	85·8
11	83·3	83·0	82·1	82·4	83·0	83·7	85·0	86·9	87·8	87·0	87·5	88·6	89·0	89·5	90·6	89·5	89·8	89·5	87·3	84·0	82·0	81·0	79·1	78·0	85·5
12	78·8	78·1	78·9	79·4	80·0	81·0	81·9	83·1	84·8	85·6	86·7	87·7	88·0	88·0	88·2	88·0	87·6	87·9	87·5	87·1	86·3	87·0	87·2	86·9	84·6
13	86·0	85·9	86·0	86·3	86·5	86·6	87·0	87·5	87·9	88·2	88·8	89·3	89·8	90·6	91·7	90·2	89·8	90·8	89·0	85·5	83·7	83·0	83·0	81·2	87·4
14	81·1	79·5	79·5	80·0	81·5	82·1	84·2	85·2	86·5	87·0	88·0	89·0	89·0	89·0	89·1	89·2	88·2	87·1	86·2	83·9	82·1	82·5	82·0	81·0	84·7
15	80·4	81·5	82·1	81·6	82·2	82·2	84·0	85·1	85·3	84·0	87·0	88·1	86·5	86·2	87·5	86·9	85·6	85·5	84·0	82·7	82·5	82·9	82·6	82·4	84·1
16	82·4	82·0	82·5	82·5	82·8	83·0	83·5	84·0	85·3	86·9	85·9	86·2	88·4	86·4	87·1	86·6	86·3	85·5	84·7	83·7	83·6	83·1	83·0	83·0	84·5
17	83·0	83·3	83·2	83·0	83·2	84·6	85·0	84·9	86·4	86·4	87·3	88·0	86·6	86·6	87·7	87·0	86·1	86·0	84·6	84·3	84·7	84·2	84·1	84·0	85·2
18	83·9	84·4	84·3	84·1	84·1	84·3	84·8	85·5	85·4	86·7	89·6	88·6	88·6	88·6	87·5	88·0	87·0	86·7	86·4	85·5	84·8	84·5	84·5	84·5	85·9
19	84·2	84·0	83·4	83·2	83·5	83·9	84·3	85·4	85·9	85·7	86·7	88·3	88·3	86·2	88·4	87·2	86·7	86·1	85·1	85·0	85·0	85·0	85·0	84·9	85·5
20	84·6	84·3	84·3	84·0	83·8	84·0	85·0	85·8	86·4	87·0	88·0	88·5	88·8	88·4	88·4	88·1	87·5	86·1	85·7	85·7	85·7	84·7	84·3	84·0	86·0
21	84·0	84·1	87·0	87·2	87·1	87·1	87·1	87·2	87·2	87·2	86·4	85·3	85·4	85·3	85·8	85·2	85·8	85·1	84·6	83·0	83·1	82·0	81·3	79·3	85·2
22	79·9	80·4	80·3	80·4	81·9	81·9	82·6	83·2	83·8	84·0	85·3	86·0	85·1	85·4	85·0	85·0	84·6	84·1	82·9	82·0	82·5	82·0	81·9	81·8	82·9
23	81·8	82·0	82·4	82·4	82·4	82·4	82·0	83·2	83·7	84·4	83·9	83·8	83·2	83·1	83·1	83·1	83·1	83·9	84·1	84·2	84·2	84·5	85·0	84·0	83·3
24	83·5	84·0	83·9	83·5	83·0	82·7	84·0	86·3	86·8	88·0	86·0	88·0	86·0	86·4	84·0	83·5	84·3	84·0	84·0	83·0	81·4	80·9	80·9	78·2	84·1
25	78·0	76·4	76·1	74·9	75·1	76·0	77·6	81·4	81·7	83·3	85·1	85·0	85·2	85·5	83·9	83·2	83·4	84·1	85·0	85·9	85·8	85·9	86·0	85·3	81·9
26	84·7	83·1	83·1	84·1	84·1	84·2	84·4	84·6	85·2	86·7	85·9	86·9	86·2	86·0	85·9	86·2	86·0	85·5	85·2	85·2	85·1	84·9	85·0	83·9	85·1
27	83·0	82·9	82·9	83·0	82·9	82·6	82·9	83·2	83·3	85·5	85·6	84·8	85·5	85·0	85·2	84·0	84·1	83·3	83·0	82·7	81·9	82·1	82·2	82·4	83·5
28	82·2	82·3	82·2	82·4	82·4	82·4	82·3	82·9	83·1	83·0	85·4	86·3	86·9	85·2	86·7	85·1	85·0	83·3	82·6	82·3	80·0	78·6	78·0	77·2	82·9
29	75·6	74·6	74·5	74·1	74·3	75·0	77·5	79·7	81·8	84·0	84·3	84·0	83·1	82·3	82·0	81·9	81·0	81·1	80·8	81·0	81·0	80·9	80·9	80·2	**79·8**
30	79·0	78·7	79·0	79·7	80·0	79·9	80·5	81·6	82·7	83·7	84·3	85·0	83·4	84·6	85·0	86·0	85·0	83·0	82·3	81·0	81·1	80·5	79·2	80·2	81·9
31	79·9	80·0	79·9	79·9	79·1	79·3	80·0	80·3	82·2	82·0	83·4	84·0	83·0	82·3	82·5	81·8	82·1	82·1	81·0	80·2	80·1	79·0	78·1	77·2	80·9
Mean ...	82·5	**82·2**	82·3	82·3	82·5	82·8	83·7	84·7	85·5	86·30	87·0	87·3	87·2	87·1	**87·3**	86·8	86·3	86·0	85·3	84·4	83·7	83·3	83·0	82·5	84·7
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

134. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **September, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	75·9	74·9	75·7	76·0	76·8	77·0	78·5	80·7	83·8	85·2	85·0	85·0	84·3	85·9	85·2	83·7	84·7	83·0	82·4	81·7	81·4	81·3	81·0	81·2	81·2
2	80·6	80·7	80·0	80·9	78·5	78·6	78·5	83·3	85·1	84·9	84·2	85·0	86·9	85·9	87·7	86·9	86·1	84·0	79·7	79·5	78·3	76·2	75·7	74·9	81·9
3	74·0	73·2	72·1	71·8	71·2	71·3	73·2	77·0	81·7	83·9	85·0	85·0	85·1	85·0	84·9	84·9	84·3	84·2	84·1	84·1	84·1	84·3	84·1	84·5	80·3
4	84·8	85·1	85·3	83·2	82·8	82·0	82·3	83·2	84·9	85·5	86·0	87·6	87·0	86·0	85·8	85·0	84·3	83·5	83·0	82·1	81·5	81·3	81·8	81·8	84·0
5	81·9	82·0	82·1	82·3	82·8	83·0	83·2	84·0	84·8	85·1	85·7	86·1	86·0	86·2	85·8	85·7	85·9	85·2	85·0	85·3	85·3	85·0	85·0	85·0	84·5
6	85·0	85·0	85·0	84·9	84·3	84·3	84·4	84·6	84·7	84·9	84·9	85·1	85·8	85·0	85·0	85·4	84·9	84·3	84·5	85·2	85·4	86·0	87·2	87·5	85·1
7	87·5	87·5	87·0	85·7	85·8	84·2	83·0	84·0	85·7	86·0	86·0	87·0	87·7	85·9	85·0	84·9	85·5	83·5	82·6	81·1	80·6	80·0	79·2	77·9	84·5
8	77·6	76·0	76·1	74·9	73·8	74·3	75·0	77·5	81·1	82·9	84·0	84·7	85·1	86·0	85·2	85·9	85·0	84·9	84·4	84·5	84·7	84·7	84·4	84·5	81·4
9	84·7	84·7	84·7	84·5	84·4	84·3	84·4	84·5	84·9	84·9	85·0	85·0	85·0	85·0	84·3	85·0	84·9	84·3	83·9	83·3	82·5	81·3	81·6	81·7	84·2
10	79·2	79·3	79·0	80·0	80·0	79·9	80·8	83·4	83·8	86·0	86·5	85·0	86·0	86·1	86·1	86·2	84·9	83·3	82·3	81·7	81·1	80·9	81·2	81·3	82·7
11	81·3	81·9	81·2	81·4	81·0	81·7	82·2	83·0	84·0	84·0	84·7	85·0	84·9	85·0	84·9	84·3	84·7	84·5	84·7	85·0	84·8	84·9	84·9	85·1	83·6
12	85·1	85·2	85·3	85·5	85·5	85·4	84·7	83·9	83·9	82·8	84·3	85·7	85·5	84·9	84·5	84·1	83·7	83·0	82·0	81·1	80·6	79·7	79·0	78·2	83·6
13	78·7	78·9	79·1	79·2	79·5	80·0	80·1	80·5	80·7	81·2	81·8	82·7	84·8	85·1	84·9	85·0	85·0	85·0	85·0	85·1	85·1	85·2	85·1	85·0	82·5
14	85·2	84·7	83·0	82·9	82·8	82·7	82·7	83·0	83·6	84·1	84·0	85·1	85·3	84·9	85·0	84·2	83·8	82·6	81·0	80·0	79·7	80·5	80·8	80·3	83·1
15	79·5	78·7	77·6	76·8	76·5	76·2	78·1	79·7	81·0	81·9	82·9	82·7	83·3	84·1	83·0	83·1	82·7	81·3	79·7	79·7	78·8	77·2	76·1	76·5	80·0
16	76·8	78·8	79·0	79·2	79·7	79·9	80·2	81·7	82·8	83·0	84·1	84·8	83·7	84·9	84·7	83·6	82·2	80·2	79·7	78·0	77·6	77·8	77·9	76·3	80·7
17	77·0	78·8	78·9	79·1	80·5	80·9	81·2	81·8	82·5	81·1	81·6	81·9	81·2	81·2	81·2	81·3	81·1	80·8	80·7	80·9	81·3	81·5	81·9	81·7	80·7
18	81·0	80·0	79·8	79·4	79·1	79·2	79·5	80·3	82·1	83·8	84·5	84·7	85·9	84·1	85·0	82·9	81·5	80·5	78·1	79·0	77·9	79·3	80·0	80·6	81·2
19	80·0	79·8	78·5	79·5	78·1	77·9	79·7	80·0	80·7	80·9	81·2	81·8	82·0	81·9	82·3	82·6	82·5	82·5	82·2	81·5	81·0	80·0	78·4	78·3	80·6
20	76·0	76·3	77·0	76·0	77·2	77·8	78·8	79·0	80·2	82·0	83·6	83·3	84·0	84·0	83·9	83·5	81·9	81·4	80·7	80·3	79·5	79·2	79·0	78·5	80·1
21	77·8	78·8	78·9	78·5	78·3	78·2	78·3	79·0	79·9	80·1	80·3	81·0	81·5	82·1	83·0	84·4	83·1	81·2	79·1	77·8	78·3	77·9	78·0	79·0	**79·8**
22	79·3	79·8	81·6	82·1	81·6	81·0	80·9	81·5	81·5	82·6	83·0	82·8	82·9	83·1	83·1	80·7	81·4	80·9	80·2	80·0	80·1	80·1	79·9	79·5	81·2
23	79·1	77·9	78·0	78·0	78·7	79·1	79·0	80·1	81·2	83·8	84·4	84·0	84·0	84·9	85·0	84·8	83·0	82·1	81·2	80·7	80·3	79·0	79·2	79·5	81·1
24	79·1	78·9	78·6	78·0	76·7	76·2	76·7	78·9	82·7	83·3	83·9	84·5	85·0	86·0	84·9	84·0	82·7	80·2	79·3	78·3	80·5	81·3	81·8	81·2	80·9
25	81·2	81·1	81·2	81·3	81·2	81·3	81·5	82·3	83·1	83·7	84·2	84·0	84·3	83·7	83·8	83·8	83·8	83·6	83·5	83·2	83·3	83·1	83·0	83·7	82·8
26	83·5	83·0	83·0	83·2	83·0	82·7	83·1	82·4	83·5	85·0	85·9	86·3	86·9	86·8	86·1	86·3	86·0	85·7	85·4	85·3	85·1	85·0	85·0	84·9	84·7
27	85·0	84·9	84·3	84·1	84·3	84·3	84·4	84·7	84·7	84·8	84·8	85·0	85·1	85·1	85·2	85·3	85·4	85·1	85·1	85·1	85·0	85·2	85·4	86·1	84·9
28	86·3	86·3	86·3	86·2	86·3	86·9	86·8	85·0	85·0	85·6	85·1	87·0	86·2	87·1	86·2	85·7	84·0	82·5	82·0	82·0	82·2	82·5	83·1	83·3	85·0
29	83·8	83·9	83·9	83·9	84·0	84·0	84·5	84·8	85·0	85·1	85·6	86·0	86·0	86·3	86·3	86·7	86·9	87·0	87·4	87·9	87·6	87·0	87·1	86·7	85·5
30	86·2	86·0	85·8	85·3	85·3	85·1	85·0	85·4	85·9	86·1	86·7	87·1	87·0	87·0	87·5	87·1	87·1	87·0	86·3	86·1	85·9	85·7	85·3	85·1	**86·2**
Mean ...	81·1	81·1	80·9	80·8	80·7	**80·7**	81·0	82·0	83·1	83·8	84·3	84·7	84·9	**85·0**	84·9	84·6	84·1	83·2	82·5	82·2	82·0	81·8	81·9	81·7	82·6

135. Eskdalemuir : Louvred Hut : h_t=0·9 metre. **October, 1923.**

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·8	84·8	84·8	84·7	85·1	83·1	83·0	81·9	82·7	83·0	84·0	84·5	85·1	84·2	83·8	84·0	83·1	82·1	81·1	79·6	79·2	79·8	80·7	81·0	83·0
2	81·1	81·9	81·8	82·0	82·7	82·0	80·5	81·7	81·1	83·0	82·8	82·2	82·2	83·0	82·0	81·2	80·5	79·0	78·0	78·7	78·2	78·3	78·4	77·6	80·9
3	77·8	78·3	78·1	77·8	77·4	77·4	77·8	78·1	78·4	78·8	78·8	79·1	79·0	79·1	79·4	78·3	77·9	77·7	76·1	76·1	76·3	75·9	76·5	76·5	77·8
4	76·4	76·6	77·2	77·3	77·3	76·0	76·5	78·2	78·0	78·7	79·4	80·8	81·0	79·9	80·9	79·7	78·9	76·0	74·0	73·0	73·2	72·1	71·8	71·2	77·0
5	71·0	71·3	71·8	72·4	73·2	73·3	73·8	74·2	77·2	78·8	79·8	81·0	81·0	81·9	82·7	82·2	82·1	82·3	82·0	81·5	80·9	80·9	80·7	80·4	78·0
6	80·0	80·0	79·6	79·9	79·8	80·0	80·2	80·9	81·0	81·2	81·8	83·1	83·7	82·8	82·7	83·8	82·0	81·7	80·6	80·5	80·8	80·9	81·0	81·0	81·2
7	81·0	81·4	81·6	81·5	81·8	82·1	82·3	82·4	82·9	82·9	82·9	83·2	83·7	84·0	84·2	84·6	84·7	84·3	84·1	83·5	83·7	83·1	81·8	81·1	82·9
8	80·2	80·2	80·0	79·5	79·1	79·0	78·1	79·9	81·4	81·9	82·9	82·8	83·0	82·5	82·1	81·9	81·1	80·7	81·0	80·9	80·7	80·7	83·0	84·9	81·1
9	85·9	80·2	86·6	84·9	84·0	82·3	81·3	81·8	82·4	82·9	83·0	83·6	84·0	84·0	83·4	81·5	81·0	80·1	81·0	80·9	80·3	81·0	80·3	80·4	82·7
10	80·3	80·7	80·7	81·0	80·9	81·0	81·2	81·5	81·5	81·7	82·0	82·3	82·3	82·8	82·8	82·7	82·1	82·0	80·6	80·7	80·7	79·9	79·4	79·4	81·3
11	79·8	78·2	78·3	78·1	77·4	77·9	78·5	79·2	80·0	81·1	81·8	82·3	82·7	83·0	82·3	82·1	80·0	77·4	78·3	76·0	74·8	75·0	74·5	74·1	79·0
12	74·9	77·4	78·2	79·5	79·4	79·4	79·1	79·9	80·6	79·9	80·2	80·0	82·1	80·8	80·0	81·0	79·3	77·9	77·6	76·2	75·5	74·9	74·6	74·1	78·4
13	74·3	74·0	74·1	74·3	75·1	75·0	75·8	76·2	77·5	79·1	79·7	80·2	80·8	80·3	80·9	79·7	78·8	75·7	74·2	75·9	76·5	73·9	73·0	72·0	76·6
14	71·1	70·9	70·0	69·9	69·3	69·2	70·0	74·2	77·8	79·2	80·0	81·0	80·9	81·0	79·6	80·3	77·4	77·8	75·0	74·5	74·8	74·0	74·9	75·1	**75·3**
15	75·6	74·3	74·5	75·2	75·4	75·0	76·0	77·2	77·5	78·9	80·7	80·8	81·2	81·0	81·4	80·9	80·2	80·0	79·9	79·7	79·3	79·4	79·9	80·0	78·4
16	80·0	80·0	80·0	80·1	80·1	80·4	79·9	80·0	80·8	81·0	81·7	82·1	83·1	83·0	82·9	81·1	78·7	78·5	78·2	77·8	78·1	78·0	78·1	78·6	80·1
17	80·0	81·1	81·9	82·1	82·0	81·8	81·2	81·6	82·0	82·3	82·5	83·7	84·9	84·0	83·0	82·3	81·2	81·6	81·1	80·2	82·0	82·2	82·3	82·4	82·0
18	82·9	82·8	83·0	83·0	82·9	82·8	82·2	82·0	82·0	81·5	81·6	82·1	84·0	84·8	84·0	82·5	82·1	81·9	82·0	82·2	83·0	84·1	84·7	85·0	82·8
19	85·0	85·0	85·0	85·2	85·8	86·1	86·5	83·9	82·2	81·9	82·1	82·2	82·0	82·0	81·7	81·0	80·4	78·5	77·6	77·0	77·1	76·4	76·9	76·2	81·8
20	77·0	77·3	77·7	78·0	78·0	79·0	79·9	80·2	81·3	82·1	82·3	82·9	83·1	83·1	83·0	82·9	82·3	82·0	81·7	81·0	81·1	81·0	80·5	80·1	80·7
21	80·7	81·2	81·5	82·0	82·4	82·7	82·8	81·9	80·4	80·1	81·4	81·3	80·9	81·0	80·8	80·3	80·0	80·0	80·4	80·4	80·4	80·3	79·9	79·9	80·9
22	79·7	79·2	79·0	79·0	78·9	78·3	78·2	78·5	79·4	80·0	80·4	79·3	79·9	79·1	79·6	79·9	79·3	79·0	79·1	79·6	79·6	79·6	79·9	79·7	79·3
23	79·3	79·0	79·1	79·4	79·8	79·9	79·9	80·0	80·4	80·1	80·4	80·9	80·3	80·7	80·5	80·5	80·4	80·4	80·2	80·0	79·2	78·1	77·9	78·0	79·8
24	77·8	77·0	76·8	76·6	76·3	76·9	76·7	77·2	78·2	79·8	79·6	80·5	81·0	80·3	80·7	80·0	78·3	78·0	78·2	78·0	77·2	78·2	78·0	78·7	78·3
25	79·1	79·0	79·0	79·1	79·1	79·1	79·1	79·1	79·5	80·5	80·5	81·9	82·0	81·8	80·9	81·0	80·8	80·0	79·0	79·8	79·6	79·0	79·0	78·8	79·9
26	78·1	77·5	78·2	78·1	78·1	78·4	78·8	78·8	79·0	78·7	79·7	80·2	80·3	80·0	79·6	79·5	79·3	79·3	79·9	80·0	80·4	80·0	79·7	80·1	79·2
27	80·1	80·1	80·2	81·0	81·1	81·3	81·9	81·8	81·2	80·1	79·8	79·8	81·0	81·5	81·6	80·8	81·3	81·3	80·7	80·4	80·3	79·4	79·9	79·3	80·7
28	79·8	79·7	79·9	80·1	79·3	79·8	80·0	80·0	80·3	81·3	82·0	83·1	82·7	82·0	81·5	80·7	80·5	80·7	80·3	80·7	80·9	81·1	81·0	80·4	80·7
29	80·0	80·1	79·9	79·3	79·8	79·5	79·9	80·0	80·5	81·0	81·3	81·9	81·9	81·9	82·0	82·0	82·3	83·0	83·1	83·6	83·8	83·9	84·0	83·9	81·5
30	84·0	84·0	84·1	84·8	84·8	84·9	84·8	84·5	84·3	85·2	84·1	84·0	84·0	83·8	83·2	82·8	82·2	81·8	82·0	81·2	81·9	81·2	81·0	80·7	**83·4**
31	80·5	80·0	80·3	80·4	80·1	80·0	79·9	79·8	80·7	82·1	83·0	82·3	82·4	82·3	81·2	81·3	80·0	79·5	80·0	79·0	79·2	77·9	76·3	75·0	80·3
Mean ...	79·3	79·3	79·5	79·5	79·6	79·5	79·5	79·9	80·4	80·9	81·4	81·8	**82·1**	82·0	81·7	81·4	80·6	80·0	79·6	79·3	79·3	79·0	79·0	**78·9**	80·2
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

136. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulb above ground) = 0·9 metre. **November, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	74·3	73·3	72·9	73·0	72·5	72·3	73·3	74·3	76·0	76·8	78·8	81·3	81·1	79·8	79·1	79·1	78·9	79·0	77·7	75·3	74·2	74·5	74·8	75·0	76·1
2	75·9	77·0	78·8	78·5	77·9	77·1	77·5	78·5	78·9	78·9	80·3	80·2	80·0	81·1	80·1	79·7	79·1	79·0	79·1	79·7	79·9	81·1	81·8	82·1	79·1
3	82·8	83·0	83·3	83·9	84·0	84·0	84·0	84·1	82·1	81·3	80·4	79·4	79·3	78·0	77·9	77·8	77·0	76·9	76·7	77·1	77·7	75·4	76·0	76·9	80·1
4	76·7	76·6	76·0	75·7	75·9	75·9	75·4	76·0	77·6	77·0	77·0	75·0	76·4	76·4	76·8	76·1	75·2	75·8	75·0	76·0	76·0	75·3	76·0	75·7	76·1
5	75·6	76·0	75·0	75·9	75·3	74·9	75·0	75·1	75·9	77·6	77·3	78·0	78·3	77·2	77·4	75·3	73·3	73·0	72·1	72·0	72·4	73·0	73·1	74·3	75·2
6	74·7	74·7	74·2	73·8	72·8	72·8	71·9	72·3	74·7	75·7	76·1	76·2	76·1	76·2	74·7	73·9	72·0	71·4	69·2	71·1	71·1	70·1	69·6	70·0	73·2
7	70·5	71·0	71·1	70·8	71·3	70·5	69·4	69·0	70·8	73·8	75·1	75·3	76·3	76·6	75·7	73·7	72·1	70·8	70·0	70·1	70·7	71·3	72·0	73·8	72·1
8	74·1	75·2	74·9	75·9	76·5	77·0	78·0	77·8	77·6	77·8	77·5	76·6	77·2	76·9	75·9	74·6	74·4	75·0	74·1	73·9	73·4	73·1	71·2	72·3	75·5
9	72·9	72·9	72·3	71·8	71·3	72·9	73·4	74·0	75·1	74·5	75·3	75·8	76·1	76·2	76·6	76·0	75·9	76·2	76·9	76·1	75·9	75·4	75·3	75·4	74·7
10	75·7	75·0	74·9	73·1	73·4	73·9	74·0	72·2	73·0	75·1	78·5	79·7	80·1	79·2	78·7	77·1	77·1	75·6	76·0	74·3	74·4	73·9	74·3	73·9	75·6
11	74·4	75·9	76·3	77·0	75·9	76·5	77·0	77·2	77·8	78·2	78·5	78·7	79·1	79·4	79·8	80·0	80·2	80·1	80·5	80·7	80·8	80·8	81·1	81·1	78·5
12	81·7	81·2	82·3	82·2	82·1	82·5	82·7	83·0	83·3	83·4	83·4	83·4	82·1	81·7	81·0	80·1	80·0	79·6	79·2	78·9	78·0	77·9	77·6	77·5	**81·1**
13	77·2	77·0	76·9	76·2	75·0	74·1	74·5	74·5	74·8	75·1	75·9	82·9	83·1	83·2	83·1	82·4	82·5	82·3	82·2	82·2	82·3	82·5	80·4	79·0	79·1
14	78·0	77·3	76·1	75·2	75·3	74·9	74·8	74·0	74·0	73·2	73·0	73·1	74·6	74·4	74·6	74·4	74·2	74·1	73·2	73·1	71·8	70·4	72·1	72·0	74·2
15	71·0	70·7	70·1	70·3	70·8	70·8	72·9	73·4	73·7	73·0	73·0	73·0	73·0	73·0	73·3	74·2	74·2	75·0	72·8	73·7	75·0	74·4	74·3	73·9	72·9
16	74·8	74·7	74·2	74·1	74·1	74·7	74·8	74·3	73·8	74·6	74·9	75·0	75·6	75·4	75·0	75·0	75·0	74·9	74·9	74·2	74·0	74·1	75·0	76·0	74·7
17	76·0	75·7	74·9	74·6	74·3	74·1	73·8	74·0	74·5	74·7	75·0	75·0	74·2	74·7	73·9	73·7	73·8	73·8	73·7	73·8	73·9	74·0	73·3	74·0	74·4
18	73·7	73·9	74·0	74·0	74·0	74·6	74·0	74·0	74·2	75·0	75·3	75·0	75·0	75·3	75·4	75·7	75·7	75·7	75·9	75·9	75·8	75·3	75·9	74·9	74·9
19	74·5	74·6	74·1	74·2	74·7	75·3	74·9	74·8	74·9	75·5	75·7	75·9	75·9	75·7	75·3	74·9	74·8	74·2	74·0	73·1	73·2	72·9	73·1	73·4	74·6
20	73·7	74·9	74·3	74·0	74·2	74·3	74·8	74·8	74·7	75·1	75·1	75·2	75·0	75·3	75·2	75·3	75·1	74·9	74·9	74·7	73·4	73·8	74·0	74·1	74·6
21	74·0	74·1	73·2	73·8	73·9	73·5	73·5	73·0	73·5	74·7	75·0	76·1	76·0	75·5	74·6	74·7	72·9	73·3	73·3	73·8	73·5	74·2	75·5	73·8	74·2
22	74·9	74·7	74·6	74·3	74·8	74·8	74·3	73·7	74·2	74·4	74·7	74·9	75·3	75·0	74·7	74·5	74·2	74·5	74·3	74·3	74·1	74·1	74·0	73·7	74·5
23	73·3	73·5	73·2	72·9	72·8	72·3	72·0	72·8	72·2	73·0	74·5	74·0	73·8	72·9	73·1	73·0	72·1	72·0	71·7	71·6	71·1	72·0	72·0	71·9	72·7
24	72·1	72·1	71·2	71·8	71·0	70·1	69·9	68·9	69·0	69·9	71·1	72·0	72·1	72·0	71·4	69·5	67·0	66·7	65·7	64·9	64·8	63·8	63·4	63·3	**69·1**
25	64·0	63·3	63·9	65·8	67·0	70·0	71·0	71·1	73·2	73·0	73·7	74·1	74·6	74·9	75·0	75·0	75·0	75·5	74·3	74·3	74·6	74·0	74·7	74·7	71·7
26	74·7	74·7	74·5	74·7	74·3	74·0	74·0	74·0	74·1	74·1	74·2	74·3	74·6	74·6	74·7	74·3	74·0	73·9	74·1	74·0	74·0	73·7	73·5	73·7	74·2
27	73·8	73·8	73·6	73·0	71·9	72·0	72·0	72·2	73·0	73·3	73·5	74·0	74·8	74·1	73·2	72·4	71·0	70·3	70·4	70·3	70·2	70·0	70·8	71·1	72·3
28	71·1	71·8	72·0	72·0	72·9	73·0	73·3	73·4	74·0	73·1	73·0	73·9	73·0	73·6	73·5	73·8	73·3	73·4	73·5	73·1	73·3	73·1	73·0	73·3	73·0
29	73·3	73·3	73·5	73·3	73·0	72·8	72·6	72·5	73·0	73·3	73·6	73·6	74·1	74·3	73·7	72·1	72·5	71·7	71·3	71·0	71·4	72·5	71·0	71·1	72·7
30	68·9	67·2	66·0	64·7	64·9	64·1	65·0	64·8	65·9	67·8	69·0	70·9	73·2	73·9	73·8	73·9	74·3	73·7	74·3	75·0	75·2	75·0	75·0	75·0	70·4
Mean ...	74·3	74·3	74·1	74·0	**73·9**	74·0	74·1	74·1	74·7	75·1	75·6	76·1	**76·3**	76·2	75·9	75·4	74·9	74·7	74·4	74·3	74·2	74·1	74·1	74·2	74·7

137. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **December, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	75·1	76·0	76·1	76·5	75·8	75·9	75·2	75·2	75·1	75·3	75·5	75·7	75·4	75·9	76·5	75·9	75·6	75·7	75·8	75·7	76·0	75·8	75·7	75·1	75·7
2	74·9	75·1	75·3	76·0	77·2	77·7	78·2	78·4	75·4	74·3	74·8	75·0	75·6	76·0	75·7	76·0	75·8	75·2	75·0	75·3	74·7	75·2	74·4	74·1	75·7
3	74·0	72·4	72·0	72·0	72·9	71·0	71·4	72·1	71·2	73·6	74·9	75·8	75·3	75·3	74·5	72·0	71·5	71·5	70·2	70·3	71·0	71·5	71·8	71·9	72·5
4	72·0	72·3	72·5	73·2	73·3	73·8	73·7	73·3	73·3	73·7	73·3	73·3	73·2	73·2	73·2	73·2	73·2	73·3	73·2	73·3	73·2	73·2	73·2	73·3	73·2
5	73·3	72·1	70·9	72·8	73·3	74·5	74·8	75·0	75·0	75·0	75·1	75·0	75·6	75·5	75·7	75·3	75·0	75·7	75·2	75·7	75·4	75·5	75·0	74·9	74·6
6	74·8	74·3	73·9	74·5	73·9	72·1	72·2	70·8	69·6	70·5	71·5	72·9	73·9	74·0	72·9	71·3	70·0	69·0	68·9	69·7	70·6	71·0	71·3	72·6	72·0
7	72·9	73·8	73·5	73·8	74·0	74·1	74·0	74·0	74·7	74·8	75·0	75·1	75·3	75·5	75·3	76·0	76·0	76·1	77·0	77·5	77·9	78·1	78·0	78·7	75·3
8	78·9	79·0	79·0	79·0	79·0	79·0	77·0	76·6	76·4	76·1	77·1	77·4	76·7	76·0	75·0	73·8	72·7	71·8	71·9	71·5	72·3	70·3	68·9	67·9	75·4
9	67·1	67·0	67·3	68·0	67·5	68·3	69·2	67·6	67·8	68·7	70·5	72·0	72·7	73·0	71·8	72·2	72·6	72·3	73·6	73·9	74·0	74·4	75·6	76·3	70·8
10	77·1	77·9	78·1	78·6	78·9	79·0	79·1	79·4	79·5	79·7	79·9	80·0	80·1	80·3	80·4	80·2	80·1	80·3	80·3	80·4	80·1	79·9	80·0	80·1	79·5
11	80·6	80·1	80·0	80·2	79·9	79·9	79·8	79·5	79·6	79·8	80·0	80·4	80·2	79·7	79·4	79·4	79·4	79·3	79·4	79·5	79·5	79·4	79·4	79·3	79·8
12	79·1	79·2	79·2	79·2	79·3	79·3	79·5	79·6	79·8	79·8	79·9	80·0	80·0	79·9	79·9	80·0	79·9	79·9	79·9	80·0	80·0	80·0	80·0	79·9	79·7
13	79·6	79·7	79·7	79·3	77·8	77·8	77·4	77·0	74·8	77·8	78·6	78·8	79·1	78·5	77·3	76·8	75·8	74·8	72·7	72·5	73·0	73·1	73·9	75·0	76·8
14	76·2	76·7	77·2	77·8	78·0	78·0	77·9	77·7	77·5	77·5	77·9	78·0	78·1	78·4	78·8	79·5	80·2	78·9	78·2	77·4	76·8	76·4	75·7	75·3	77·7
15	75·1	75·3	75·5	75·2	75·0	74·9	74·8	74·9	75·0	75·4	75·7	76·5	76·6	76·8	76·1	76·0	76·0	75·9	76·1	76·2	76·9	77·2	78·0	78·7	75·9
16	79·0	79·5	79·8	80·0	80·2	80·4	80·8	81·0	81·0	81·2	81·5	81·8	81·8	81·8	81·7	81·5	81·3	81·2	81·1	81·0	81·4	81·1	81·0	80·8	**80·9**
17	81·0	80·9	80·8	80·7	80·1	79·9	79·5	80·2	80·5	80·2	80·1	80·3	80·9	80·5	80·9	81·3	81·9	82·0	82·0	81·6	79·2	79·3	78·7	78·4	80·5
18	78·0	77·9	77·9	77·3	77·0	77·2	76·9	76·5	77·0	76·5	76·3	76·3	77·0	76·9	76·1	75·9	75·0	74·7	74·3	74·4	74·4	74·3	73·7	73·4	76·1
19	73·7	73·3	72·5	72·0	71·0	70·4	70·9	71·2	72·0	73·0	74·2	73·8	73·8	73·1	72·9	72·1	71·9	71·4	71·5	73·2	73·8	74·0	74·0	74·2	72·6
20	73·5	73·3	73·6	72·9	72·0	70·8	68·6	69·0	69·6	71·0	72·2	72·8	72·0	71·9	71·9	71·8	71·4	71·3	72·1	72·4	72·8	72·1	71·5	71·6	71·8
21	71·0	72·4	72·3	73·0	73·2	73·2	73·3	73·0	72·8	72·9	73·2	73·5	73·8	73·8	73·4	73·0	73·0	73·0	73·0	73·0	73·0	73·1	73·2	73·0	73·0
22	73·2	74·2	74·0	74·8	77·0	80·3	81·0	81·0	81·1	81·0	80·9	80·9	80·1	79·3	78·9	78·2	77·7	77·0	76·0	75·8	75·7	75·0	75·0	74·9	77·6
23	75·0	75·4	75·0	74·9	74·1	73·9	73·9	73·5	73·5	74·7	74·1	75·7	75·9	75·4	74·8	73·9	73·4	73·3	71·7	72·0	73·5	72·0	73·8	73·0	74·1
24	72·8	74·0	74·5	74·0	74·7	74·0	74·9	75·0	75·2	75·0	74·9	75·3	75·5	75·0	73·7	72·4	72·1	68·7	68·7	68·1	67·7	65·8	64·4	64·0	72·3
25	63·0	68·9	69·9	67·0	67·0	67·4	66·8	66·1	66·1	67·1	68·5	69·0	70·2	69·9	70·3	71·3	71·1	71·2	71·2	71·0	71·0	71·3	71·5	71·8	68·9
26	72·0	72·3	73·0	73·3	73·3	73·2	73·3	73·0	72·7	72·6	72·9	72·7	72·9	72·3	72·0	72·0	72·1	72·5	72·9	72·8	72·8	72·8	72·7	72·8	72·7
27	72·8	72·8	72·5	72·3	72·3	72·2	72·6	72·4	72·5	72·8	73·0	73·3	73·4	73·2	73·0	73·0	73·0	73·2	73·3	73·3	73·2	73·5	74·0	74·3	73·0
28	74·3	74·4	74·0	74·0	74·0	74·0	74·2	74·8	74·4	74·7	75·0	75·0	75·1	74·9	74·7	73·5	72·9	72·0	70·7	69·6	68·8	67·0	65·8	64·7	72·8
29	64·3	63·7	63·1	63·6	62·7	63·9	64·0	64·9	65·2	67·2	68·7	69·7	71·0	71·1	72·0	72·1	72·1	72·5	72·9	73·0	73·4	73·9	74·0	74·1	**68·7**
30	74·3	74·2	73·9	74·0	74·0	74·0	74·5	74·8	74·4	74·8	74·9	74·3	74·7	74·5	74·5	74·0	74·0	74·2	74·7	74·4	74·2	74·1	74·3	74·4	74·3
31	74·0	74·2	74·3	74·2	73·9	73·8	73·9	74·1	74·3	74·8	74·1	75·4	75·4	75·8	75·5	75·1	75·0	75·5	77·7	79·0	79·5	80·1	80·7	82·0	75·8
Mean ...	**74·3**	74·6	74·6	74·7	74·6	74·6	74·6	74·6	74·4	74·9	75·3	75·7	**75·9**	75·7	75·5	75·1	74·9	74·6	74·5	74·6	74·7	74·5	74·5	74·5	74·8
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE. The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

From readings in degrees absolute at exact hours, Greenwich Mean Time.

138. Eskdalemuir : Louvred Hut : $h_t = 0{\cdot}9$ metre. **1923.**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
78·19	78·11	78·04	**77·93**	77·99	78·23	78·73	79·23	79·88	80·43	80·99	81·29	81·62	**81·68**	81·65	81·37	80·96	80·40	79·83	79·34	79·00	78·72	78·59	78·37	79·61

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

139. Eskdalemuir : Louvred Hut : $h_t = 0{\cdot}9$ metre. **1923.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	277·67	−0·43	−0·35	−0·39	−0·45	−0·48	−0·43	−0·50	**−0·56**	−0·53	−0·17	+0·30	+0·69	+0·76	**+0·93**	+0·83	+0·68	+0·43	+0·31	+0·20	+0·07	−0·01	−0·18	−0·36	−0·
Feb.	75·91	−0·18	−0·26	−0·21	−0·35	−0·45	−0·61	**−0·62**	−0·53	−0·33	−0·07	+0·29	+0·56	+0·81	+0·86	**+0·90**	+0·77	+0·42	−0·03	−0·10	−0·20	−0·24	−0·20	−0·09	−0·
Mar.	77·62	−1·70	−1·81	−1·86	−1·83	−2·00	**−2·04**	−1·95	−0·37	−1·40	+0·73	+1·50	+2·27	+2·89	+3·18	**+3·29**	+2·82	+2·11	+1·13	+0·07	−0·50	−0·78	−0·99	−1·24	−1·
April	77·59	−2·04	−2·14	−2·30	**−2·42**	−2·38	−2·10	−1·06	−0·19	+0·78	+1·44	+1·77	+2·13	+2·39	+2·55	**+2·57**	+2·50	+2·33	+1·55	+0·45	−0·29	−0·85	−1·27	−1·48	−1·
May	79·16	−2·23	−2·62	−2·85	−3·10	**−3·13**	−2·23	−0·76	+0·19	+1·09	+1·50	+2·47	+2·47	+2·55	+2·65	+2·85	**+2·86**	+2·19	+1·49	+0·84	−0·29	−0·87	−1·28	−1·72	−1·
June	83·41	−2·47	−3·02	−3·17	**−3·47**	−3·07	−2·19	−0·98	−0·23	+0·74	+1·45	+2·06	+2·42	+2·93	+3·02	**+3·10**	+2·91	+2·76	+1·94	+1·07	+0·15	−0·74	−1·31	−1·67	−2·
July	87·01	−2·05	−2·14	−2·22	**−2·33**	−2·05	−1·47	−1·02	−0·06	+0·74	+1·28	+1·59	+1·99	+2·26	**+2·54**	+2·52	+2·21	+1·97	+1·27	+0·64	−0·13	−0·91	−1·31	−1·51	−1·
Aug.	84·07	−2·31	**−2·56**	−2·50	−2·45	−2·26	−1·88	−1·01	−0·05	+0·80	+1·60	+2·29	+2·66	+2·55	+2·50	**+2·70**	+2·10	+1·70	+1·42	+0·66	−0·23	−0·88	−1·31	−1·57	−2·
Sept.	82·61	−1·39	−1·43	−1·58	−1·73	−1·88	**−1·89**	−1·54	−0·60	+0·56	+1·21	+1·68	+2·07	+2·33	**+2·34**	+2·21	+1·91	+1·43	+0·56	−0·18	−0·52	−0·73	−0·95	−0·79	−1·
Oct.	80·16	−1·01	−0·97	−0·83	−0·72	−0·70	−0·77	−0·68	−0·33	+0·19	+0·74	+1·19	+1·62	**+1·99**	+1·86	+1·63	+1·27	+0·50	−0·07	−0·48	−0·74	−0·73	−0·98	−0·99	−1·
Nov.	74·71	−0·43	−0·41	−0·63	−0·69	**−0·78**	−0·72	−0·59	−0·59	−0·06	+0·39	+0·90	+1·37	**+1·62**	+1·51	+1·20	+0·70	+0·18	+0·03	−0·34	−0·44	−0·51	−0·66	+0·58	−0·
Dec.	74·82	−0·43	−0·13	−0·17	−0·09	−0·16	−0·12	+0·15	−0·21	−0·37	+0·09	+0·49	+0·85	**+1·02**	+0·88	+0·60	+0·26	+0·02	−0·25	−0·34	−0·27	−0·21	−0·39	**−0·44**	−0·
Year	279·61	−1·39	−1·49	−1·56	**−1·64**	−1·61	−1·37	−0·91	−0·38	+0·27	+0·85	+1·38	+1·76	+2·01	**+2·07**	+2·03	+1·75	+1·34	+0·78	+0·21	−0·28	−0·62	−0·90	−1·04	−1·

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and minimum for the interval 0h. to 24h., Greenwich Mean Time.

140. Eskdalemuir : Louvred Hut : $h_t = 0{\cdot}9$ metre. **1923.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Mi
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	75·0	**65·6**	**84·0**	80·3	77·5	75·9	80·3	76·0	85·2	79·3	86·8	78·7	88·8	80·5	90·9	78·1	86·9	74·7	86·0	78·3	82·0	72·1	76·6	75·
2	81·4	75·0	81·9	78·6	78·8	74·8	80·1	77·0	87·2	76·4	92·7	78·3	87·8	82·8	86·9	76·8	88·0	74·9	84·0	77·0	82·1	75·0	78·6	74·
3	79·0	76·1	80·9	76·5	78·5	76·1	84·9	74·6	**89·4**	76·1	87·2	80·9	88·7	84·3	88·4	82·9	85·4	**70·5**	79·8	75·9	**84·1**	75·1	76·1	70·
4	79·5	72·6	80·0	72·2	81·3	73·0	84·1	79·0	86·1	74·9	83·7	77·4	87·5	84·0	91·4	79·7	88·0	81·2	81·8	75·9	79·7	74·9	73·8	71·
5	78·1	74·0	78·9	73·7	81·7	73·5	83·5	74·3	87·2	76·9	84·4	73·2	90·4	85·0	**94·6**	78·2	86·3	81·8	82·7	70·8	78·7	71·8	76·0	70·
6	77·1	72·1	78·6	74·2	80·2	75·6	77·5	74·9	84·5	74·9	86·5	78·7	**99·7**	85·1	90·7	84·5	87·5	84·1	84·6	79·4	76·8	69·0	75·0	69
7	**83·0**	76·3	79·2	74·2	80·7	77·3	81·1	74·3	85·6	69·9	86·9	81·4	98·2	88·1	90·1	82·0	88·1	77·6	84·8	81·0	76·7	68·9	78·8	72
8	82·0	75·5	80·0	73·0	79·4	75·1	80·0	74·3	85·5	77·9	83·5	81·7	91·1	84·9	91·3	80·9	86·3	73·7	84·9	78·0	78·1	71·2	79·1	67
9	77·8	74·2	79·5	73·8	78·0	72·7	78·1	73·8	83·0	**69·7**	87·4	82·8	93·5	85·3	92·0	84·0	85·3	80·7	**86·9**	79·4	76·9	71·3	76·3	66
10	78·5	74·0	79·0	77·2	75·4	73·0	79·1	73·6	80·0	71·7	85·0	80·8	93·1	87·1	90·2	81·8	87·1	78·8	82·9	80·1	80·1	72·0	80·5	76
11	77·8	73·0	79·0	75·9	77·7	74·4	**85·8**	74·3	78·8	74·3	88·1	78·0	97·8	84·2	91·2	78·0	85·5	81·0	83·1	73·8	81·2	73·9	80·8	79
12	76·8	68·4	78·3	74·8	79·6	73·9	83·3	77·1	81·5	73·7	85·1	78·1	97·3	82·0	88·4	78·0	86·4	78·1	82·7	74·1	83·5	77·2	80·1	79
13	79·3	66·9	77·4	74·9	83·0	75·8	83·0	78·2	83·2	73·8	86·0	80·5	96·2	82·7	92·1	81·1	85·4	78·2	81·3	72·0	83·4	74·0	79·9	72
14	81·6	76·5	75·0	73·0	81·8	73·8	79·3	74·7	80·1	73·3	87·8	74·9	93·0	83·9	90·2	79·0	86·1	79·0	81·8	**68·9**	79·0	70·2	80·2	75
15	81·6	77·1	75·9	72·3	77·9	75·0	84·3	73·2	82·4	73·3	83·9	72·0	88·0	85·2	88·6	79·9	84·8	75·7	81·4	73·9	75·5	70·0	78·7	74
16	80·0	78·1	79·2	75·7	81·1	74·0	82·0	72·2	81·7	74·7	83·7	74·0	90·2	84·1	88·4	82·0	86·0	76·0	83·3	79·5	76·3	73·7	81·9	78
17	78·4	76·9	76·4	72·4	81·5	74·1	83·0	70·2	83·9	72·8	86·7	**71·7**	87·5	82·5	88·9	82·9	82·9	75·9	84·9	78·3	76·2	73·0	**82·3**	78
18	80·0	76·0	73·0	70·3	83·8	73·1	77·7	70·0	81·7	72·0	93·1	80·3	88·7	**79·7**	90·4	83·9	86·0	77·8	85·0	81·3	76·0	73·3	78·4	73
19	82·2	76·1	73·1	71·0	81·8	73·5	78·9	72·7	83·1	78·5	87·2	78·7	89·2	81·2	88·8	83·2	82·7	77·1	86·7	76·0	76·0	72·5	74·3	70
20	76·2	70·0	74·5	69·9	83·0	73·2	80·4	70·5	82·1	78·0	89·0	78·3	92·4	87·2	89·0	83·5	85·0	75·1	83·3	76·2	75·6	73·0	74·2	68
21	81·7	71·2	73·7	**68·9**	82·7	72·8	78·4	73·8	85·1	77·3	89·0	82·4	91·5	85·2	87·3	79·3	84·7	76·7	82·9	79·9	76·1	72·9	73·9	70
22	81·0	72·0	75·6	72·3	83·8	73·8	81·8	72·9	85·0	76·2	89·0	84·3	89·9	86·7	86·9	78·7	84·0	79·0	81·0	78·0	75·3	73·3	81·2	73
23	79·3	67·8	76·6	70·0	82·2	70·4	79·3	70·4	82·2	73·9	92·1	83·8	90·6	83·0	85·2	81·7	85·0	77·2	80·9	77·9	74·9	70·7	76·0	71
24	82·2	79·2	76·4	72·1	84·5	**70·2**	81·6	69·3	83·1	71·6	89·2	80·7	90·9	82·9	89·0	78·2	86·1	75·9	81·9	76·1	72·7	**63·0**	75·5	63
25	80·9	79·0	75·8	74·2	83·6	72·9	82·1	73·0	84·3	77·1	87·7	76·1	89·6	82·7	85·7	74·5	85·0	81·0	82·6	78·8	75·5	63·1	71·8	62
26	80·4	79·1	79·7	74·7	87·0	73·9	82·9	75·0	82·8	77·1	90·2	74·3	88·4	81·8	87·3	82·5	87·3	82·1	81·2	77·5	75·2	73·5	73·5	71
27	82·2	79·0	78·5	76·7	**89·0**	81·5	81·0	71·2	85·1	77·2	91·0	80·9	88·8	79·8	86·6	81·8	86·1	84·1	81·9	79·3	74·8	69·9	74·4	72
28	81·8	78·4	78·6	76·1	83·7	70·7	81·0	**69·1**	81·1	76·6	**93·2**	80·5	87·9	82·5	88·0	77·2	**88·2**	81·1	83·5	79·2	74·2	71·0	75·3	64
29	82·5	78·8	—	—	87·2	74·6	83·2	74·0	84·6	76·9	91·9	76·8	87·1	83·5	84·7	**73·9**	87·9	83·3	84·0	79·3	74·6	70·8	74·1	**62**
30	**83·0**	80·1	—	—	85·0	73·5	84·3	76·9	83·1	77·8	86·5	81·5	89·2	83·9	87·0	78·6	87·8	85·0	85·3	80·7	75·3	64·1	74·9	73
31	**83·0**	79·9	—	—	81·3	72·4	—	—	82·2	77·2	—	—	88·5	82·9	85·1	77·2	—	—	83·0	75·0	—	—	82·0	73
Mean	80·1	74·8	77·8	73·9	81·7	74·3	81·4	73·7	83·6	75·2	87·8	78·7	91·0	83·7	88·9	80·1	86·1	78·6	83·2	77·1	77·5	71·5	77·2	71

NOTE. The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is printed 75·0.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

141. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metre. **January, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	90	91	92	94	94	94	95	96	96	97	96	95	90	87	91	93	94	95	95	94	94	93	93	95	93·4	4·9
2	99	94	97	97	97	99	99	99	99	100	100	86	92	92	93	90	92	92	92	92	92	89	94	86	94·5	8·7
3	86	90	89	86	86	88	85	88	91	95	92	87	90	86	86	88	92	83	86	80	76	80	87	84	86·7	7·3
4	84	82	79	81	77	77	85	84	85	80	74	75	74	75	84	91	93	95	97	97	95	93	95	95	85·1	6·2
5	100	97	94	89	94	89	94	90	94	91	94	92	94	91	87	93	88	85	81	99	87	82	72	80	90·2	7·1
6	87	89	86	86	85	94	87	87	88	93	88	91	93	91	93	93	91	95	93	95	93	100	97	97	91·0	6·2
7	95	97	97	99	99	99	100	99	99	98	98	96	99	100	97	100	96	97	95	96	95	96	97	99	**97·5**	9·9
8	97	96	97	95	96	86	84	85	82	82	80	81	75	73	76	80	81	78	62	61	93	94	94	94	84·4	7·8
9	93	95	96	96	91	87	81	81	80	81	81	76	75	87	84	85	81	84	82	82	81	87	84	81	84·9	6·2
10	78	93	91	93	91	90	91	84	84	76	76	74	73	79	71	73	77	79	79	75	76	71	79	80	80·6	6·1
11	81	82	82	81	81	76	77	80	79	78	77	74	80	78	78	77	78	83	82	81	85	87	91	91	80·6	5·8
12	89	90	91	89	92	93	95	98	98	98	98	90	83	80	82	86	93	96	97	97	94	94	96	96	92·1	5·3
13	97	97	97	97	98	98	98	98	98	99	99	97	95	93	99	97	97	99	96	96	97	94	97	96	97·0	6·1
14	99	95	92	88	88	86	95	74	78	79	74	73	64	69	68	65	73	70	70	76	77	76	70	72	78·5	7·1
15	77	75	78	76	73	73	74	74	74	76	77	81	87	92	92	92	95	94	94	94	86	88	85	86	82·7	7·7
16	88	89	89	90	91	95	97	96	97	97	93	97	94	96	97	94	96	93	95	97	97	97	99	99	94·5	8·7
17	97	99	90	88	90	91	91	93	94	93	97	97	96	94	93	96	96	96	96	97	96	94	91	88	94·1	8·2
18	91	86	88	88	94	80	84	82	85	87	82	74	76	84	78	80	80	81	84	80	80	86	87	91	83·6	7·3
19	94	97	97	94	81	80	85	87	93	94	94	94	93	93	88	91	87	81	75	69	78	70	80	80	86·7	8·4
20	82	84	75	81	76	75	70	75	70	67	62	55	55	53	53	53	62	66	72	70	73	75	77	69	**69·2**	**4·6**
21	78	72	83	89	88	87	93	95	96	98	98	98	97	89	91	88	85	86	86	81	85	82	80	80	87·5	7·2
22	86	88	82	88	89	85	86	86	86	90	78	84	79	84	88	90	82	82	78	82	79	74	80	81	83·6	7·6
23	80	82	85	82	86	90	93	94	94	94	83	77	78	71	73	79	82	86	88	97	94	96	91	86	85·8	5·5
24	87	85	85	84	81	79	77	78	81	79	82	77	79	70	70	76	81	81	83	84	85	84	80	77	80·4	8·4
25	80	79	80	81	86	92	92	84	81	85	87	82	85	84	79	81	84	82	80	82	74	76	87	86	82·7	8·2
26	83	83	82	83	86	87	85	90	86	85	86	85	84	84	85	86	87	87	89	81	78	82	84	82	84·7	8·2
27	83	78	77	77	83	81	80	83	85	84	83	79	82	83	81	85	85	84	83	79	79	79	81	82	81·5	8·6
28	85	91	88	87	86	85	84	86	86	89	86	86	82	86	86	82	85	80	86	86	88	88	90	90	86·0	8·7
29	92	87	93	96	92	91	89	89	90	91	89	88	89	89	87	89	87	94	88	91	93	89	89	93	90·2	9·6
30	91	89	88	92	88	91	87	86	85	84	92	92	95	95	97	95	87	86	81	84	89	91	92	88	89·5	9·8
31	92	87	88	92	92	88	82	84	92	92	88	90	96	96	97	94	93	96	96	92	93	91	87	87	91·1	**10·1**
Mean ...	**83·4**	88·3	88·0	88·3	88·1	87·3	87·8	87·3	87·9	88·1	86·6	**84·6**	84·7	84·7	84·7	85·9	86·5	86·7	85·8	86·0	86·5	86·4	87·3	86·8	86·8	†7·5
Vapour Pressure* ...	mb. 7·2	mb. 7·2	mb. **7·7**	mb. 7·2	mb. 7·2	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·4	mb. 7·5	mb. 7·5	mb. **7·7**	mb. **7·7**	mb. **7·7**	mb. 7·6	mb. 7·6	mb. 7·6	mb. 7·5	mb. 7·4	mb. **7·0**	mb. 7·2	mb. 7·3	mb. 7·3	mb. ‡7·4	

142. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **February, 1923.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	80	69	72	73	79	84	86	89	92	94	100	97	99	94	96	93	97	99	100	96	96	97	97	92	90·3	**10·2**
2	78	81	79	86	80	78	71	76	83	86	86	78	80	77	78	78	87	94	93	99	97	93	90	93	84·2	8·5
3	89	77	80	81	82	82	85	86	85	76	74	73	67	68	66	79	79	86	88	85	91	91	89	89	**81·3**	7·6
4	89	84	88	84	87	86	87	88	86	83	76	69	68	73	70	82	84	90	92	93	94	93	91	92	84·5	6·2
5	92	90	95	87	88	86	84	86	88	86	84	84	82	83	84	94	94	94	88	90	84	80	77	79	86·9	7·5
6	81	84	80	81	80	82	80	80	85	92	92	95	97	94	90	100	100	99	97	100	95	100	96	90	90·2	7·0
7	90	89	89	87	95	96	88	78	79	91	89	97	95	94	93	91	90	91	86	89	87	84	90	86	89·4	7·0
8	84	83	86	92	90	94	89	86	88	95	97	88	92	92	88	94	89	94	99	99	94	96	100	93	91·6	8·1
9	100	100	99	99	95	99	99	99	99	88	81	87	90	78	77	75	78	93	80	83	82	75	72	74	88·0	6·8
10	81	87	91	91	87	89	89	89	88	88	87	86	87	90	88	88	91	93	93	90	91	90	89	94	88·6	7·5
11	92	88	89	88	91	90	93	91	87	94	93	84	92	90	88	88	89	91	97	99	94	97	95	94	91·4	8·7
12	95	97	95	94	93	95	99	95	92	100	100	88	90	99	94	91	90	99	99	96	96	98	99	100	**95·5**	7·4
13	95	95	92	88	91	88	91	92	92	88	88	85	84	85	84	86	88	88	90	90	87	86	90	91	89·1	6·9
14	91	93	92	91	90	88	88	88	88	88	88	88	87	86	87	88	88	91	91	91	91	91	91	91	89·4	5·6
15	91	92	92	92	92	93	92	92	93	91	91	88	86	84	88	91	90	87	88	91	90	90	90	90	90·2	6·0
16	91	99	99	99	97	95	95	93	93	95	94	91	91	85	86	86	88	94	94	92	90	89	87	86	92·1	7·3
17	85	84	90	95	97	91	91	97	90	84	86	86	86	89	95	87	87	88	91	91	90	88	83	84	89·0	6·1
18	84	84	84	83	83	83	88	92	95	98	98	98	98	98	98	97	95	93	92	91	92	93	93	93	91·6	5·6
19	94	94	95	95	95	95	94	94	94	90	86	84	84	84	84	84	84	85	84	84	82	83	85	86	88·4	5·2
20	86	84	86	86	86	82	82	79	81	81	70	70	69	74	81	86	83	88	88	89	79	80	82	80	81·5	5·0
21	80	80	80	78	80	82	96	96	96	98	93	92	93	93	93	93	93	93	93	93	92	93	93	93	90·0	**4·9**
22	93	93	93	92	92	92	92	91	91	85	87	86	81	79	76	82	91	89	90	90	90	90	90	88	88·6	5·6
23	82	86	89	89	89	88	90	90	91	86	84	81	80	80	83	80	82	88	89	90	92	91	90	89	86·6	5·6
24	91	88	87	88	89	89	88	86	85	83	82	83	83	83	83	84	85	87	87	81	84	88	88	89	85·9	6·0
25	88	91	91	95	92	95	91	90	91	95	93	95	90	90	100	91	95	96	96	97	96	96	95	93	93·3	6·6
26	100	96	92	88	88	91	89	87	89	88	88	88	89	89	90	81	83	76	79	76	76	79	81	85	86·3	6·9
27	80	85	87	85	88	89	92	91	88	83	86	84	87	89	94	91	91	96	90	88	91	88	88	89	88·3	7·5
28	88	94	89	89	89	91	85	88	87	89	91	91	88	90	93	91	90	89·	92	88	89	90	90	89	89·6	6·6
Mean ...	88·2	88·1	88·6	88·4	88·7	89·0	89·1	88·9	89·1	89·1	88·0	86·3	86·3	**86·1**	86·7	87·5	88·6	**91·1**	90·9	90·7	89·7	89·6	89·3	89·0	88·6	†6·8
Vapour Pressure* ...	mb. 6·6	mb. 6·5	mb. 6·6	mb. 6·5	mb. 6·5	mb. **6·4**	mb. **6·4**	mb. **6·4**	mb. 6·5	mb. 6·7	mb. 6·7	mb. 6·7	mb. 6·8	mb. 6·8	mb. **6·9**	mb. **6·9**	mb. 6·8	mb. 6·8	mb. 6·8	mb. 6·7	mb. 6·6	mb. 6·6	mb. 6·6	mb. 6·6	mb. ‡6·7	

G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

143. Eskdalemuir : Louvred Hut : h_t (Height of thermometer bulbs above ground) = 0·9 metre. **March, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	90	86	89	87	89	94	94	94	90	94	94	94	89	94	95	95	94	95	100	94	89	83	94	**91·9**	7·9
2	90	90	95	89	86	89	85	84	89	88	88	79	89	81	84	84	96	90	91	100	84	95	92	90	88·7	7·0
3	92	89	88	89	90	90	95	95	92	90	94	87	86	89	89	88	89	88	87	89	86	88	87	86	89·4	7·2
4	88	91	88	90	90	90	87	88	84	78	77	71	68	62	66	77	79	76	90	85	95	92	94	96	83·2	6·7
5	96	100	96	98	92	94	99	95	91	95	93	97	90	78	75	76	83	82	82	81	78	77	88	94	88·8	7·2
6	89	92	90	93	97	95	95	91	94	88	90	90	91	93	90	86	97	86	91	86	94	83	88	91	90·9	7·9
7	90	87	90	91	91	91	94	91	93	81	80	76	72	77	80	80	87	84	86	85	85	88	88	85	85·6	7·7
8	82	81	83	79	82	85	92	89	89	88	92	88	91	81	78	92	88	86	90	90	89	88	77	76	85·9	6·9
9	85	86	91	89	89	91	86	85	85	79	84	82	92	85	84	81	87	87	88	85	91	88	90	90	86·4	6·2
10	88	73	76	80	80	81	81	81	81	80	80	79	76	64	71	79	82	85	85	88	90	88	88	93	81·2	**5·4**
11	91	91	91	91	88	89	91	88	87	87	80	71	72	67	65	67	74	77	73	76	78	77	80	80	80·7	5·9
12	82	87	87	85	84	83	84	93	93	88	85	83	78	88	90	91	91	92	96	88	90	90	92	89	87·7	6·7
13	89	85	88	82	78	83	86	86	83	68	66	62	58	58	62	68	67	79	76	74	76	80	80	80	**75·8**	7·0
14	85	82	80	82	84	85	85	84	78	82	72	70	68	66	76	72	75	85	87	88	89	87	89	87	80·6	6·7
15	88	87	86	85	84	76	82	78	83	82	82	78	76	82	82	87	84	87	88	91	93	93	93	97	85·0	6·4
16	97	97	97	99	97	97	95	95	91	85	84	81	76	76	73	74	80	84	84	87	86	87	89	91	87·7	7·0
17	86	91	87	87	100	87	85	84	84	86	85	77	65	63	60	61	64	72	80	84	87	87	89	95	81·0	7·6
18	90	89	89	88	91	86	90	85	80	69	71	66	64	62	58	52	59	62	76	85	91	92	88	91	78·2	6·5
19	91	88	91	95	90	96	95	92	87	81	75	71	68	67	63	65	67	81	84	88	90	88	89	89	83·0	6·7
20	95	89	86	87	88	88	88	90	89	84	81	74	67	64	65	65	72	81	90	99	95	92	91	88	83·7	6·8
21	93	91	90	92	89	94	94	94	91	90	87	80	69	67	77	76	78	86	85	87	88	95	95	95	86·6	7·1
22	95	95	99	99	96	95	96	96	88	79	74	82	59	50	55	54	53	62	71	66	88	84	78	80	79·3	6·7
23	78	80	88	88	88	91	89	79	75	81	71	71	70	65	57	64	70	84	89	91	88	93	93	93	80·4	6·8
24	94	94	94	94	94	94	94	94	94	93	87	64	67	66	58	49	64	70	80	82	97	96	99	91	83·7	6·4
25	95	95	100	91	91	96	93	85	83	87	77	71	81	72	75	77	80	86	87	87	92	91	97	95	86·7	7·6
26	96	91	95	93	99	97	94	92	83	60	58	60	57	59	58	60	67	69	79	87	80	79	80	82	78·4	7·9
27	87	89	89	93	90	87	85	82	82	77	73	69	71	65	57	51	59	65	67	72	79	87	87	93	77·1	**10·7**
28	88	89	93	94	96	92	94	95	97	84	84	83	77	80	85	79	78	83	88	93	92	93	94	92	88·5	10·0
29	91	94	97	99	99	100	100	100	97	77	66	54	52	53	53	63	56	57	72	79	85	82	83	83	79·0	7·9
30	86	89	95	93	89	91	91	92	86	84	79	74	86	66	63	63	67	69	74	79	84	87	88	93	81·8	8·3
31	93	93	93	93	95	89	88	88	88	81	82	80	71	67	73	80	80	79	81	82	87	88	91	91	84·7	7·2
Mean ...	89·7	89·2	90·3	90·2	90·1	90·0	**90·5**	89·2	87·5	82·7	80·3	76·3	74·2	**71·0**	71·5	72·8	76·4	79·6	83·6	85·6	87·8	87·9	88·4	89·3	83·9	†7·2
Vapour Pressure* ...	mb. 6·7	mb. **6·6**	mb. 6·7	mb. 6·7	mb. **6·6**	mb. **6·6**	mb. 6·7	mb. 6·8	mb. 7·2	mb. 7·4	mb. 7·5	mb. 7·5	mb. **7·6**	mb. 7·5	mb. **7·6**	mb. 7·5	mb. 7·5	mb. 7·3	mb. 7·1	mb. 7·0	mb. 7·1	mb. 7·0	mb. 6·9	mb 6·8	mb. ‡7·1	

144. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **April, 1923.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	91	93	94	91	92	90	88	88	94	91	90	91	96	94	90	93	88	91	87	95	99	97	94	92·0	8·3
2	91	93	93	96	93	96	96	93	94	92	90	92	87	90	90	90	89	89	92	92	93	92	91	100	92·1	8·4
3	97	99	97	94	95	98	99	96	93	83	77	76	72	66	65	66	72	71	85	86	89	86	92	87	85·3	8·3
4	86	85	83	82	77	75	73	73	65	60	61	56	52	58	60	71	76	86	85	96	85	85	87	85	75·1	8·1
5	81	81	82	83	86	86	89	94	86	83	66	66	64	65	73	66	66	66	89	83	91	85	82	73	78·8	7·2
6	74	74	81	76	73	72	70	69	66	69	70	65	64	71	68	69	69	75	75	75	74	74	76	74	71·7	6·2
7	78	79	84	81	79	89	89	91	80	82	84	87	76	77	72	66	76	81	87	88	88	92	91	88	82·4	6·8
8	85	88	89	87	85	85	82	75	67	60	58	59	59	59	58	59	62	65	68	70	71	71	72	73	71·4	5·7
9	72	72	73	73	77	76	83	76	64	60	62	65	67	62	59	59	61	67	68	78	81	81	83	87	70·8	5·1
10	90	88	92	94	95	96	96	91	95	95	90	82	66	67	66	66	67	68	80	87	86	87	77	95	83·8	6·2
11	91	95	94	92	88	89	94	92	86	86	86	69	75	73	68	69	60	80	91	93	93	97	93	99	85·5	8·6
12	94	97	99	92	97	96	91	90	94	93	100	97	95	97	95	97	97	93	96	95	96	94	95	96	**95·3**	9·5
13	89	94	98	100	100	100	97	98	92	90	84	70	71	71	80	72	72	73	75	77	85	82	76	74	84·6	8·6
14	75	79	76	76	68	76	81	86	76	95	94	100	100	90	91	88	89	87	90	87	90	90	87	89	85·5	7·1
15	91	87	85	88	88	89	84	85	81	69	67	68	61	61	74	62	68	76	77	84	85	88	95	92	79·3	7·0
16	95	94	98	90	93	91	91	94	87	82	80	77	76	75	69	71	71	75	79	81	89	91	91	91	84·6	6·9
17	91	91	91	90	89	88	86	72	71	62	62	64	58	57	57	62	62	65	72	80	87	89	90	90	76·1	5·9
18	89	89	90	91	92	92	90	80	80	79	68	71	68	67	70	70	73	71	71	76	76	80	91	87	79·7	5·5
19	91	92	92	91	89	84	79	81	75	69	71	65	74	74	74	74	78	77	79	77	89	89	88	82	80·7	6·0
20	81	82	87	89	87	88	81	73	74	64	60	63	59	62	58	59	57	70	73	81	87	86	78	72	74·0	5·6
21	70	71	73	78	71	78	68	66	70	82	95	86	100	91	87	92	92	92	90	91	93	91	90	90	83·3	6·1
22	88	88	88	94	88	82	77	70	63	66	66	63	68	74	63	66	68	66	73	86	88	88	88	88	77·1	6·1
23	87	71	73	70	77	82	78	67	65	87	98	97	74	74	71	57	67	74	84	87	82	80	80	76	77·9	5·7
24	72	77	72	72	76	70	69	59	50	51	53	51	50	43	48	52	50	52	68	73	72	65	66	89	**62·3**	**4·7**
25	92	92	92	92	92	91	87	80	75	76	72	73	74	73	81	76	76	85	86	87	84	89	89	88	83·4	6·1
26	87	88	88	89	89	85	80	82	76	84	81	84	74	83	84	91	77	70	68	71	70	69	67	72	79·9	7·2
27	71	71	69	69	68	73	63	51	48	46	54	54	55	56	62	67	64	63	79	81	86	89	90	88	67·0	5·2
28	89	89	90	92	92	93	86	76	70	84	77	88	89	87	80	81	70	68	77	78	80	87	88	94	83·4	6·4
29	96	90	90	93	88	87	80	75	68	59	60	57	58	54	57	56	56	74	78	87	90	94	95	94	76·5	7·0
30	99	97	97	97	95	76	96	97	92	91	91	95	93	94	91	97	96	95	92	91	90	91	72	72	92·8	**10·2**
Mean ...	86·1	86·1	87·0	**87·0**	85·9	86·5	81·2	80·7	76·1	76·4	75·6	74·3	72·3	72·2	72·2	**72·0**	72·5	75·4	80·6	83·5	85·5	86·0	85·2	86·0	80·4	†6·9
Vapour Pressure* ...	mb. 6·2	mb. 6·2	mb. 6·2	mb. 6·2	mb. **6·1**	mb. 6·3	mb. 6·6	mb. 6·7	mb. 6·8	mb. 7·1	mb. 7·2	mb. 7·2	mb. 7·2	mb. 7·2	mb. **7·3**	mb. 7·2	mb. 7·2	mb. 7·1	mb. 7·0	mb. 6·9	mb. 6·8	mb. 6·7	mb. 6·5	mb. 6·4	mb. ‡6·8	

G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

145. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metre. **May, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	71	83	89	87	86	87	81	80	75	72	72	79	74	71	78	75	70	72	81	84	87	89	91	89	79·7	9·1
2	88	89	79	81	89	87	78	70	68	65	65	59	63	59	73	75	76	81	84	87	89	95	94	94	78·6	8·4
3	92	94	95	97	98	97	95	82	70	65	61	63	61	58	61	57	59	63	71	77	87	87	90	90	78·0	9·2
4	94	97	98	87	93	86	90	98	97	93	78	70	70	74	76	68	75	77	81	85	91	92	94	93	85·6	9·6
5	92	94	95	88	93	88	87	81	85	83	77	62	68	64	67	61	62	61	74	81	92	89	92	92	80·4	**9·9**
6	95	92	94	97	93	94	83	92	82	76	67	65	65	58	59	82	85	79	85	72	72	79	85	84	80·8	8·1
7	86	88	89	90	91	92	69	68	60	56	52	48	49	45	48	44	47	62	70	74	71	74	77	86	**68·1**	6·3
8	75	96	91	87	86	87	89	84	82	75	66	76	64	60	51	54	52	56	61	72	80	77	77	87	74·4	7·5
9	87	90	91	92	92	91	91	90	87	90	82	85	77	75	67	75	73	99	95	93	95	88	83	78	86·3	6·4
10	80	79	75	78	75	71	63	61	62	64	56	66	88	89	87	94	92	94	86	87	82	81	87	90	78·4	6·0
11	85	85	85	82	82	81	80	77	78	90	81	95	87	92	86	84	83	77	76	78	71	75	70	74	81·7	6·2
12	71	77	79	81	79	77	75	69	65	59	57	60	60	78	58	50	57	65	68	76	78	82	89	89	70·5	**5·6**
13	89	100	91	90	93	89	88	94	79	78	66	63	55	58	58	72	81	64	71	77	85	76	85	84	78·7	6·8
14	84	82	80	76	74	74	76	76	86	82	77	74	85	74	81	77	90	91	95	95	88	90	90	92	82·7	6·6
15	88	89	92	96	97	96	98	88	90	90	77	72	72	69	58	60	67	72	77	85	85	90	87	90	82·7	6·8
16	90	89	91	88	85	79	79	75	70	67	64	65	65	84	71	60	88	83	83	89	85	85	84	85	79·4	6·4
17	84	80	81	80	78	78	74	72	67	66	63	63	57	55	58	57	62	64	64	67	75	73	81	80	70·1	5·8
18	81	81	74	79	85	87	73	67	64	62	65	66	80	84	83	84	79	82	81	82	84	80	81	85	77·8	6·7
19	87	88	87	90	91	93	94	88	85	89	88	80	85	81	83	81	84	84	83	83	83	83	89	90	86·1	9·1
20	93	92	91	91	93	93	94	94	93	96	93	97	93	93	93	92	92	84	81	83	76	84	84	79	**90·0**	9·3
21	82	87	85	80	78	84	75	75	75	67	65	61	61	61	57	54	56	63	79	72	76	77	78	77	71·9	7·5
22	77	84	85	88	86	81	68	65	60	57	58	67	65	72	73	82	83	78	80	76	78	71	77	80	74·6	7·2
23	79	83	83	81	78	79	70	61	68	81	68	82	82	86	74	73	68	68	70	78	88	85	82	84	77·0	6·7
24	91	85	89	88	88	88	63	61	62	59	57	69	69	67	68	72	76	85	89	90	96	85	77	70	77·1	7·1
25	84	85	79	88	87	84	77	76	71	58	60	72	78	79	79	71	71	75	64	70	69	71	77	80	75·0	7·1
26	78	73	84	76	75	80	81	75	80	74	77	83	74	85	74	77	78	81	80	87	90	87	87	87	80·0	7·6
27	88	91	87	91	90	85	81	81	77	71	68	61	68	72	72	68	74	79	82	74	80	79	78	77	78·3	8·0
28	81	83	74	73	73	84	79	84	86	71	69	66	68	74	72	72	71	74	76	76	81	82	81	80	76·2	6·9
29	82	82	85	84	85	77	63	74	63	65	58	56	64	65	63	64	67	67	68	75	81	79	77	80	71·8	7·3
30	84	84	84	84	86	87	86	81	69	75	81	73	69	69	65	70	74	74	79	81	84	86	86	86	78·9	7·8
31	87	85	91	94	89	87	88	82	85	85	82	75	75	72	73	78	76	78	86	85	87	85	85	86	83·2	8·0
Mean ...	84·7	**86·7**	86·2	85·9	86·1	85·3	80·3	78·1	75·5	73·6	**69·3**	70·1	70·7	71·7	69·9	70·4	73·2	75·2	78·1	80·3	82·8	82·5	83·7	84·5	78·5	†7·5
Vapour Pressure* ...	mb. 6·9	mb. 6·8	mb. 6·6	mb. **6·5**	mb. **6·5**	mb. 6·9	mb. 7·2	mb. 7·4	mb. 7·7	mb. 7·6	mb. 7·6	mb. 7·8	mb. 7·9	mb. **8·0**	mb. **8·0**	mb. **8·0**	mb. **8·0**	mb. 7·8	mb. 7·8	mb. 7·4	mb. 7·3	mb. 7·1	mb. 7·0	mb. 6·9	mb. ‡7·4	

146. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **June, 1923.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	86	90	86	85	87	85	85	86	79	69	68	82	72	71	75	71	74	75	79	82	87	84	87	88	80·5	9·5
2	84	88	87	86	86	86	85	80	78	75	70	63	58	56	58	58	58	63	62	69	65	67	72	72	72·3	10·3
3	85	85	84	92	90	89	68	65	69	67	64	63	69	67	68	65	64	66	71	77	84	83	79	83	74·6	9·5
4	87	94	84	81	75	75	70	78	65	65	66	65	62	59	58	65	71	75	81	81	82	81	85	85	74·5	**7·5**
5	84	87	87	91	85	84	79	67	64	67	67	67	81	85	82	85	86	83	86	84	82	79	81	86	80·4	8·5
6	84	86	90	92	88	88	86	86	84	77	70	78	77	75	73	69	71	75	78	82	86	87	89	86	81·5	9·1
7	85	87	89	90	89	89	86	88	83	78	72	79	80	83	69	71	69	79	84	82	86	88	92	93	82·8	10·4
8	92	89	89	89	88	88	89	92	93	99	96	94	96	99	94	97	99	99	96	96	93	88	84	82	**92·8**	10·9
9	88	87	87	88	85	85	91	92	87	81	77	80	86	89	94	96	98	93	97	97	97	97	95	97	89·9	12·0
10	97	97	91	86	86	81	79	78	85	83	81	79	78	67	70	76	67	65	66	74	77	77	82	84	79·7	9·8
11	82	90	80	81	77	72	69	68	59	56	55	57	55	58	53	58	61	66	66	74	80	77	75	80	68·8	8·0
12	81	85	86	85	89	83	85	86	92	91	92	93	95	95	92	89	90	90	88	83	90	92	93	91	88·7	10·2
13	92	90	89	88	80	79	78	83	72	73	78	73	70	68	71	71	71	75	75	76	78	83	80	79	78·3	9·6
14	75	77	84	83	68	71	66	59	61	52	51	48	48	47	46	48	52	61	66	67	80	79	84	91	**64·9**	7·6
15	91	91	91	91	90	90	88	84	72	79	75	84	85	89	87	95	96	83	83	77	85	84	89	86	86·2	8·1
16	89	87	87	86	85	81	77	68	66	67	61	64	61	57	57	60	65	69	72	75	83	89	87	84	74·1	**7·5**
17	89	89	90	88	85	82	64	62	62	58	55	54	54	61	66	62	58	62	69	74	81	85	90	96	72·1	7·7
18	93	97	93	97	99	97	96	94	91	88	86	77	73	70	65	64	72	78	81	77	83	80	80	85	84·2	12·2
19	85	84	84	80	78	73	66	61	62	65	59	62	64	68	62	76	67	70	72	86	80	78	84	76	72·8	8·7
20	70	83	78	85	82	71	67	61	58	58	51	52	53	56	60	59	65	61	63	70	69	73	84	86	67·1	8·5
21	84	87	85	87	86	84	89	85	85	85	79	79	74	68	70	78	78	64	84	85	86	91	86	88	81·9	11·5
22	85	85	88	90	95	85	85	83	82	84	79	79	79	79	77	79	80	87	89	90	91	96	87	90	85·1	12·4
23	91	91	89	88	90	92	88	64	72	63	72	62	63	63	57	59	65	79	80	84	85	89	88	87	77·6	**12·6**
24	79	87	87	88	88	86	86	82	81	75	79	75	72	74	85	81	82	82	88	90	90	91	90	90	83·6	12·1
25	90	87	89	92	85	78	71	67	63	53	51	57	59	69	69	56	60	62	74	79	85	79	88	94	73·1	8·9
26	93	91	93	89	90	93	70	67	61	72	58	52	61	48	48	55	52	56	67	75	70	76	78	82	71·0	9·1
27	84	89	86	88	88	83	81	78	67	62	57	61	64	68	72	71	74	76	87	92	95	90	87	89	78·5	11·2
28	82	88	88	85	85	88	82	79	73	65	69	70	66	58	62	59	64	73	75	73	94	93	98	94	77·5	**12·6**
29	97	94	97	95	97	93	83	72	68	73	65	64	65	67	66	68	71	77	73	80	82	84	79	81	79·1	11·4
30	87	84	81	85	86	88	91	93	75	72	78	73	68	70	71	75	71	75	76	78	78	93	82	83	79·7	10·2
Mean ...	86·4	**88·2**	87·3	87·7	86·1	84·0	80·0	76·9	73·6	71·7	69·4	69·5	69·6	69·5	**69·2**	70·5	71·7	74·0	77·6	80·3	83·5	84·4	85·2	86·3	78·4	†9·9
Vapour Pressure* ...	mb. 9·1	mb. 9·0	mb. 8·8	mb. **7·7**	mb. 8·8	mb. 9·1	mb. 9·4	mb. 9·5	mb. 9·6	mb. 9·9	mb. 10·0	mb. 10·2	mb. 10·5	mb. 10·6	mb. 10·6	mb. 10·7	mb. **10·8**	mb. 10·6	mb. 10·4	mb. 10·2	mb. 10·0	mb. 9·7	mb. 9·6	mb. 9·4	mb. ‡9·7	
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

147. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metre. **July, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	82	84	80	84	86	79	76	75	69	70	77	73	69	68	63	62	69	76	77	83	86	86	89	96	77·2	10·2
2	93	93	95	97	97	96	98	96	99	89	83	83	87	88	89	88	90	98	98	96	95	96	95	96	93·1	12·8
3	97	97	93	96	95	96	96	94	95	92	99	100	99	91	88	89	91	92	94	92	99	97	93	97	**94·7**	13·8
4	97	97	97	99	94	91	92	86	80	78	89	92	92	96	99	98	95	98	99	100	100	100	100	100	94·5	13·5
5	100	99	95	95	96	94	97	96	97	97	98	95	91	100	93	92	90	76	84	88	93	96	90	95	93·7	14·9
6	93	90	92	90	89	86	86	74	64	64	53	52	50	49	49	56	61	62	69	72	74	74	78	80	**71·4**	16·7
7	83	82	82	85	81	78	76	65	68	58	69	75	80	89	77	77	78	87	83	89	91	86	90	92	79·8	**17·6**
8	94	98	98	96	96	98	94	98	98	98	94	99	95	88	82	83	80	80	81	91	94	95	96	95	92·5	14·9
9	91	89	88	92	83	83	79	78	80	84	78	70	71	71	70	73	74	70	72	84	89	90	91	88	80·9	15·1
10	86	86	87	88	89	90	91	92	94	89	79	75	69	72	78	74	80	82	86	88	86	86	86	89	84·2	15·4
11	86	89	88	92	92	94	90	86	84	84	78	73	68	68	62	68	72	78	80	85	88	90	91	97	82·5	17·1
12	94	100	94	100	100	93	93	96	75	67	64	66	58	56	54	49	48	63	72	74	81	85	92	90	77·8	14·9
13	96	95	96	99	95	88	88	82	72	73	79	68	68	64	65	68	69	73	74	82	88	91	89	89	81·3	15·1
14	91	96	91	92	92	90	91	84	78	77	82	76	72	73	78	77	77	80	80	84	87	87	90	91	84·0	14·5
15	90	90	82	92	92	92	93	93	93	93	93	93	93	93	93	93	92	92	92	92	92	93	92	92	91·9	14·1
16	92	92	92	90	89	82	81	80	75	74	76	69	63	71	71	68	77	75	79	89	91	92	86	89	81·0	12·6
17	93	97	97	92	91	92	89	83	80	77	76	88	86	76	67	86	86	83	87	86	84	89	90	90	86·0	11·3
18	89	91	89	94	99	87	80	82	75	79	81	67	74	76	68	64	66	63	72	69	87	90	87	92	80·0	10·7
19	91	96	92	95	96	90	93	93	91	100	95	96	96	98	96	87	81	82	87	89	95	95	98	94	92·7	12·9
20	91	89	89	86	89	81	83	74	68	69	66	67	60	64	60	85	85	90	87	90	91	91	92	92	80·8	14·4
21	91	92	93	83	84	79	82	80	72	70	69	64	70	76	84	84	92	82	82	80	82	85	88	93	81·5	14·0
22	92	92	93	90	90	94	96	95	93	92	91	89	81	92	92	93	92	89	94	90	92	89	92	90	91·4	15·8
23	93	96	96	95	96	94	95	87	86	76	77	66	60	64	71	75	73	88	78	83	84	85	88	87	83·1	12·8
24	86	85	85	86	86	87	83	83	63	63	58	60	66	59	63	68	71	77	74	85	87	90	90	92	76·8	11·0
25	96	95	92	96	87	94	87	80	74	68	67	64	84	62	61	62	66	80	67	72	76	76	77	88	78·0	11·6
26	87	86	80	79	85	80	79	69	74	68	69	66	60	61	61	75	71	68	77	76	76	77	78	81	74·4	**9·9**
27	83	84	88	86	85	75	72	68	61	70	61	60	65	68	67	67	70	67	77	87	92	91	88	89	75·7	10·1
28	89	92	92	92	96	95	91	95	92	96	96	92	91	90	92	91	87	90	96	93	99	97	90	96	92·8	12·7
29	93	92	91	91	90	94	89	88	82	94	89	87	86	79	88	91	91	91	92	94	94	91	91	90	90·0	12·6
30	91	94	90	90	87	88	81	74	72	74	69	82	80	74	78	80	82	87	89	95	96	91	90	95	84·4	12·5
31	91	92	92	92	88	88	83	80	89	89	78	88	72	87	91	86	72	82	86	87	90	90	84	90	86·3	11·9
Mean ...	91·0	**91·9**	90·6	91·4	90·8	88·7	87·2	84·1	80·4	79·7	78·5	77·3	76·0	76·2	**75·8**	77·7	78·3	80·7	82·7	86·0	89·0	89·4	89·4	91·5	84·3	†13·5
Vapour Pressure* ...	mb. 12·6	mb. 12·7	mb. **12·5**	mb. **12·5**	mb. 12·6	mb. 12·6	mb. 13·0	mb. 13·2	mb. 13·3	mb. 13·7	mb. 13·8	mb. 13·9	mb. 14·0	mb. **14·3**	mb. 14·1	mb. 14·0	mb. 14·1	mb. 13·9	mb. 13·7	mb. 13·5	mb. 13·3	mb. 13·0	mb. 12·9	mb. 12·8	mb. ‡13·3	

148. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **August, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	88	89	87	84	87	85	84	84	80	72	69	86	66	62	56	60	75	76	62	73	78	88	90	97	78·1	11·1
2	91	89	91	92	95	97	96	89	81	85	87	84	83	90	81	88	90	90	95	95	97	98	95	93	90·6	11·3
3	94	94	89	88	86	90	83	85	85	81	77	78	68	72	69	64	80	69	77	78	83	81	81	82	80·8	11·3
4	77	85	82	86	82	77	76	76	71	64	57	56	53	50	58	66	69	69	75	82	87	90	94	92	**73·7**	10·6
5	89	91	94	96	93	89	78	78	69	67	52	48	46	53	53	78	78	79	84	90	91	96	94	92	78·3	12·3
6	93	93	92	95	93	95	90	89	83	71	70	72	82	79	86	94	94	95	96	98	96	99	99	96	89·5	13·9
7	95	94	95	95	95	96	96	93	94	96	94	94	98	98	92	92	95	77	81	80	83	85	91	93	**91·8**	14·3
8	93	93	95	93	97	96	86	79	69	62	71	78	93	96	96	98	96	99	99	97	96	95	95	96	90·3	13·5
9	98	95	95	97	96	95	94	94	89	81	78	72	71	67	66	60	68	71	71	79	85	85	78	76	82·1	14·0
10	78	77	82	90	91	90	89	81	80	74	69	71	65	66	57	62	61	64	72	76	82	85	87	89	76·3	11·2
11	86	85	88	87	87	86	79	71	71	71	69	63	62	58	57	58	62	65	76	87	91	88	90	96	76·2	11·0
12	91	97	93	94	96	93	94	96	89	81	75	72	77	82	84	83	87	90	93	93	95	89	87	89	88·5	12·0
13	88	95	98	96	99	99	99	98	96	98	92	93	91	90	79	82	78	68	69	82	86	85	87	91	89·1	**14·5**
14	92	91	91	96	93	93	90	84	82	78	73	69	69	69	65	60	67	77	80	85	89	89	89	91	81·7	11·1
15	94	92	86	90	86	84	81	79	74	77	68	60	70	75	63	63	66	63	70	79	80	78	82	83	77·0	10·1
16	81	81	81	82	78	80	80	77	73	68	69	75	58	70	66	65	67	72	76	90	91	87	88	90	76·7	10·3
17	91	95	93	92	92	92	94	90	86	84	76	73	87	84	80	78	77	78	88	85	85	85	87	89	85·9	12·1
18	91	87	89	91	91	89	88	87	84	81	67	69	72	72	78	76	78	82	84	88	88	94	92	91	83·7	12·3
19	87	85	87	90	90	86	84	78	77	79	73	66	66	86	70	84	88	88	94	91	95	92	92	89	84·1	12·0
20	92	95	91	91	90	94	90	86	81	79	72	71	68	73	73	76	82	93	95	95	92	92	95	95	85·7	12·7
21	97	99	99	98	99	99	99	96	93	94	89	81	79	78	69	74	61	66	71	79	82	91	97	92	86·8	12·2
22	91	90	90	89	88	93	87	85	80	84	81	78	75	77	72	76	76	73	77	78	80	82	85	88	82·4	10·0
23	93	88	88	88	84	88	92	86	84	76	79	90	85	91	93	91	91	88	91	91	96	95	95	95	88·9	11·0
24	93	96	96	96	100	94	95	79	77	68	81	75	72	70	75	76	73	76	71	77	80	80	80	88	82·2	10·6
25	87	87	90	86	93	95	91	83	84	72	66	73	73	73	87	96	95	97	98	96	97	90	88	91	87·0	9·9
26	91	97	92	95	94	94	95	88	87	74	77	76	72	78	88	86	88	91	91	90	90	89	88	87	87·5	12·3
27	88	88	88	88	88	89	86	85	82	77	71	77	73	81	79	87	87	82	90	91	89	91	92	91	84·9	10·7
28	93	91	91	91	91	89	86	85	86	86	73	69	69	83	71	66	67	72	72	72	80	84	87	89	81·0	9·8
29	90	89	92	93	95	95	92	93	88	76	73	76	76	87	91	90	89	95	93	95	92	90	90	85	88·6	**8·7**
30	89	90	86	86	79	76	81	80	78	73	68	68	76	71	65	59	60	73	72	78	78	80	87	84	76·5	**8·7**
31	87	86	87	87	96	96	96	84	86	86	79	76	79	88	82	88	84	86	88	93	96	89	96	97	87·7	9·3
Mean ...	89·0	90·5	90·3	91·0	**91·1**	90·8	88·7	85·1	81·9	77·9	74·0	73·8	**73·8**	76·4	74·2	76·7	78·3	79·5	82·3	85·0	88·1	88·5	89·0	90·2	83·7	†11·5
Vapour Pressure* ...	mb. 10·6	mb. **10·5**	mb. **10·5**	mb. **10·5**	mb. 10·7	mb. 10·9	mb. 11·3	mb. 11·6	mb. 11·8	mb. 11·8	mb. 11·7	mb. 11·9	mb. 11·8	mb. **12·2**	mb. 12·0	mb. 12·0	mb. 11·9	mb. 11·8	mb. 11·7	mb. 11·5	mb. 11·3	mb. 11·0	mb. 10·9	mb. 10·6	mb. ‡11·4	

G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

149. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metre. **September, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	93	96	92	90	90	98	93	91	77	74	69	67	72	67	69	78	74	88	82	82	82	83	85	83	82·6	8·9
2	82	82	86	79	93	82	83	72	67	70	72	67	54	60	54	54	66	70	88	84	84	97	89	92	**75·9**	8·6
3	95	96	96	96	96	96	95	88	81	79	73	75	76	73	74	79	82	85	86	87	87	87	95	93	86·3	8·8
4	94	97	95	87	86	83	80	79	72	64	59	59	59	65	68	67	64	71	69	81	79	84	78	84	76·2	9·9
5	88	87	88	92	90	91	93	91	90	88	82	80	79	77	77	70	70	78	81	83	84	86	81	84	83·8	11·2
6	81	83	84	83	88	88	88	88	85	86	83	81	80	84	79	83	89	96	95	97	96	96	86	95	87·0	12·2
7	94	94	94	87	88	86	76	69	64	70	69	64	63	67	64	63	65	74	80	83	80	82	83	87	77·1	10·4
8	94	96	99	94	91	96	100	96	93	82	74	70	69	65	76	69	79	79	84	91	90	90	95	93	85·9	9·4
9	91	92	93	93	95	95	91	87	87	89	89	92	94	96	86	79	78	74	77	84	86	89	88	89	88·2	11·6
10	96	94	93	94	92	91	93	85	83	69	63	67	60	63	64	59	62	67	72	75	80	84	83	83	78·1	9·3
11	83	84	86	85	86	82	84	85	81	80	81	79	81	81	84	87	84	91	90	88	91	91	91	91	85·1	10·8
12	95	94	94	94	91	84	91	86	88	71	66	70	66	61	58	65	69	75	78	79	84	89	89	95	80·4	10·2
13	91	91	94	97	96	96	98	95	96	97	92	93	91	89	88	88	88	88	89	90	92	92	95	97	92·6	10·9
14	96	91	87	88	91	91	87	84	80	74	72	67	66	67	63	69	69	80	86	85	90	94	92	95	81·9	10·1
15	93	89	92	92	92	95	92	82	80	85	80	88	84	69	84	75	72	76	86	81	86	95	96	93	85·8	8·5
16	95	90	90	95	91	93	97	89	80	79	74	68	69	68	67	69	73	80	77	86	87	87	87	91	82·6	8·6
17	89	87	87	86	82	78	93	88	88	89	89	82	87	92	93	92	89	89	89	89	92	93	96	92	88·8	9·3
18	91	93	90	94	97	95	94	95	84	74	70	61	60	67	67	76	82	86	84	90	88	83	86	83	83·1	9·0
19	86	82	86	84	88	87	90	88	86	85	87	82	84	88	92	91	90	92	93	94	84	83	80	81	86·8	9·0
20	89	80	88	93	93	88	91	89	91	78	69	71	60	64	60	66	69	70	75	76	86	87	93	93	79·7	**8·0**
21	95	95	92	93	96	97	96	86	80	85	81	74	71	67	68	63	65	72	85	80	92	91	94	93	83·8	8·2
22	96	93	92	88	89	89	88	89	85	80	77	79	76	87	76	90	89	88	93	93	95	97	92	93	88·1	9·5
23	97	96	98	97	94	97	98	99	93	79	72	74	70	68	66	70	61	86	84	91	90	95	95	94	86·0	9·2
24	95	93	93	97	89	92	93	90	80	80	77	76	68	61	58	69	76	89	94	95	84	80	77	93	83·3	8·8
25	90	90	94	96	97	96	94	96	94	90	95	87	87	90	89	89	90	90	91	91	82	86	85	81	90·7	10·9
26	83	85	85	85	80	80	85	93	87	78	71	72	68	73	86	84	87	90	91	90	92	91	89	89	83·8	11·4
27	88	89	95	95	93	95	93	91	92	90	91	91	96	99	98	96	95	98	96	94	96	98	96	94	94·0	13·0
28	95	96	96	98	96	89	83	88	85	79	75	67	70	63	65	65	74	82	87	87	87	92	89	96	83·4	11·6
29	91	91	91	91	92	92	92	92	92	92	99	96	99	99	99	96	99	100	96	99	99	100	100	100	95·6	13·8
30	99	100	100	100	99	99	100	99	100	100	100	99	100	100	95	97	100	95	96	97	94	93	97	99	**98·3**	**14·8**
Mean ...	91·5	90·9	**91·7**	91·4	91·4	90·7	91·0	88·3	81·7	81·2	78·4	76·6	**75·3**	75·7	75·6	76·6	78·3	83·3	85·8	87·4	88·0	89·8	89·4	90·9	85·2	†10·2
Vapour Pressure* ...	mb. 9·8	mb. 9·8	mb. 9·7	mb. 9·6	mb. **9·5**	mb. **9·5**	mb. 9·7	mb. 10·1	mb. 10·4	mb. 10·4	mb. 10·4	mb. **10·5**	mb. **10·5**	mb. **10·5**	mb. **10·5**	mb. 10·4	mb. 10·2	mb. 10·3	mb. 10·1	mb. 10·1	mb. 10·0	mb. 10·1	mb. 10·1	mb. 10·2	mb. ‡10·1	

150. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **October, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	100	100	100	100	95	88	79	80	75	74	73	72	63	65	66	66	74	77	81	82	89	84	84	86	81·7	10·0
2	85	80	88	89	82	84	80	69	72	65	65	66	67	66	64	71	71	74	79	79	86	87	89	89	76·9	8·1
3	89	84	88	88	92	93	89	88	84	78	78	83	84	82	80	88	87	80	91	84	84	85	80	81	85·2	7·3
4	83	81	82	87	89	91	90	83	75	66	68	65	64	64	60	66	67	83	82	88	88	89	90	94	78·7	6·4
5	96	98	98	98	98	97	95	96	99	88	88	89	92	92	90	94	94	93	91	83	86	87	90	93	**92·7**	8·0
6	88	88	91	91	91	94	97	89	90	93	79	76	73	70	77	79	76	78	84	91	89	88	88	88	85·5	9·2
7	88	90	90	92	91	94	92	93	87	91	92	96	91	89	91	89	88	86	86	82	81	78	77	78	88·2	10·7
8	84	84	81	85	81	83	84	77	76	74	66	66	65	67	72	78	85	90	92	94	96	97	96	94	81·6	8·8
9	93	97	93	77	83	72	72	70	70	66	65	61	58	57	62	77	76	78	73	72	81	75	83	83	**75·0**	9·0
10	85	84	87	85	88	88	88	89	92	88	83	87	84	86	88	88	86	82	79	78	78	76	81	81	84·7	9·1
11	75	79	79	78	82	81	81	75	75	70	64	60	59	61	62	57	76	83	88	90	92	94	93	97	76·8	7·1
12	97	94	95	93	94	94	97	91	93	92	95	97	83	85	85	76	91	83	81	88	93	98	95	98	91·1	8·1
13	96	96	95	93	87	85	85	85	85	80	77	73	73	73	73	60	77	88	92	87	84	83	90	93	83·9	6·6
14	94	95	96	97	97	97	92	86	79	79	74	65	65	66	77	73	82	81	85	90	88	94	89	95	84·8	**6·1**
15	90	92	91	88	91	100	92	93	92	91	86	87	83	78	76	83	72	86	87	90	93	93	88	89	88·1	7·9
16	93	94	95	94	89	86	85	86	83	84	78	75	71	66	65	70	77	78	79	85	84	85	85	91	82·4	8·3
17	100	99	92	86	85	75	82	80	75	71	68	69	61	69	70	75	84	85	86	94	89	94	94	94	82·3	9·4
18	91	93	91	91	92	90	94	93	96	93	92	87	73	76	67	81	85	90	97	97	97	85	92	95	89·0	10·7
19	92	98	91	98	94	96	94	76	74	68	74	68	65	65	62	67	69	81	82	86	89	91	87	95	81·8	9·2
20	88	92	90	90	90	86	87	91	89	86	89	85	86	86	85	79	72	78	78	86	83	77	81	89	85·3	8·9
21	91	92	93	98	96	93	94	89	88	85	78	77	66	66	66	73	83	90	90	90	90	86	88	86	85·4	9·0
22	88	93	89	87	87	91	87	93	86	85	82	82	75	82	86	82	83	87	90	87	85	86	81	82	85·8	8·1
23	83	84	84	82	85	87	89	93	93	93	95	91	95	91	93	93	94	94	86	85	80	86	87	86	88·6	8·7
24	87	87	88	89	93	87	89	89	84	82	81	79	76	80	78	83	87	86	91	91	93	93	93	87	86·4	7·7
25	87	86	86	86	85	85	85	85	86	80	85	78	75	77	85	83	78	86	86	79	80	80	81	77	82·8	8·2
26	84	91	95	97	97	94	93	90	90	87	81	77	73	80	87	84	84	84	88	86	94	96	88	88	87·6	8·3
27	88	88	88	86	89	93	89	89	94	85	87	85	79	80	80	78	85	85	80	82	82	90	87	94	85·8	9·0
28	92	90	90	93	89	89	86	87	89	83	76	73	71	74	78	87	90	90	93	92	93	92	82	81	86·1	9·0
29	88	85	88	93	89	91	88	87	87	85	84	88	89	92	96	98	97	97	98	95	95	97	98	99	91·5	10·1
30	100	100	99	98	97	97	96	95	97	94	87	87	87	78	81	80	84	82	86	85	87	73	86	89	89·6	**11·2**
31	86	87	86	87	89	89	87	89	86	84	77	72	72	72	73	75	86	84	86	86	88	87	95	88	83·8	8·5
Mean ...	89·7	**90·3**	90·3	90·2	89·0	89·3	88·3	86·3	85·2	81·9	79·6	77·9	**74·8**	75·3	76·6	78·5	81·9	84·5	86·0	86·6	87·7	87·3	87·7	89·0	84·8	†8·6
Vapour Pressure* ...	mb. 8·5	mb. 8·6	mb. 8·7	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·5	mb. 8·5	mb. 8·7	mb. 8·7	mb. 8·7	mb. **8·8**	mb. 8·6	mb. 8·6	mb. 8·6	mb. 8·6	mb. 8·5	mb. 8·4	mb. 8·3	mb. 8·2	mb. 8·3	mb. **8·1**	mb. **8·1**	mb. 8·2	mb. ‡8·5	
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

151. Eskdalemuir : Louvred Hut : h_t (height of thermometer bulbs above ground) = 0·9 metres. **November, 1923.**

Hour.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
Day.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	96	97	97	98	98	97	96	97	98	92	91	84	84	80	84	84	81	85	87	84	96	90	88	96	90·7	6·9
2	90	98	88	88	80	83	83	79	84	86	79	82	82	69	62	68	85	86	91	90	94	97	92	96	84·7	7·9
3	91	96	96	90	90	91	91	89	83	75	81	86	76	79	82	78	83	78	76	83	75	89	83	77	84·5	8·5
4	82	82	84	85	85	84	91	84	78	86	82	96	84	85	80	83	97	87	98	86	86	89	84	87	85·8	6·5
5	90	86	100	87	94	93	98	98	90	81	84	81	73	82	80	91	95	96	97	98	99	98	97	93	90·7	6·5
6	87	85	82	81	82	80	82	81	78	75	73	72	72	69	76	85	90	89	93	88	90	91	93	92	82·7	5·1
7	88	84	80	87	76	79	80	84	83	87	70	65	58	60	68	88	91	94	96	97	98	98	98	93	83·4	4·8
8	92	92	90	95	95	98	93	90	88	88	80	90	84	72	88	91	92	88	90	92	94	95	96	96	90·3	6·6
9	96	96	95	94	93	92	91	90	88	96	97	98	98	90	77	77	78	87	89	87	84	89	84	91	90·0	6·2
10	92	98	93	94	95	89	87	88	88	86	79	66	65	71	77	83	81	83	80	85	85	84	90	89	84·5	6·2
11	92	86	84	85	88	93	98	98	96	97	93	93	95	94	95	100	97	98	97	96	96	96	99	99	94·2	8·5
12	93	97	97	97	98	96	95	93	93	92	92	86	84	92	77	76	74	74	80	76	84	85	84	87	87·8	**9·4**
13	92	92	88	94	90	98	91	92	94	98	92	95	97	96	96	97	95	96	97	97	96	90	88	86	93·6	8·8
14	85	89	85	83	83	82	81	81	86	91	91	89	88	77	76	80	66	68	70	77	86	89	90	91	82·6	5·5
15	95	95	96	96	96	95	90	90	87	89	92	94	95	95	95	95	94	93	92	93	88	84	86	98	92·5	5·6
16	87	79	80	77	76	73	72	80	86	76	75	82	79	79	84	84	81	82	83	90	94	96	100	87	82·8	5·7
17	84	85	84	82	84	88	90	82	94	87	85	81	78	75	69	70	88	93	91	91	92	84	93	89	84·9	5·7
18	91	87	85	89	92	88	94	96	95	82	79	82	82	79	79	74	74	76	79	79	75	78	80	75	83·2	5·8
19	79	75	80	79	73	78	75	72	73	77	75	73	72	72	72	71	72	73	79	82	80	83	84	85	**76·2**	5·2
20	86	82	82	82	82	82	81	82	85	82	83	91	94	91	91	91	91	90	88	89	90	89	98	91	87·1	5·9
21	93	96	92	86	85	84	82	81	78	75	75	71	70	72	74	74	75	78	79	80	81	82	79	80	80·3	5·3
22	76	77	85	84	87	87	94	89	92	91	88	87	85	86	88	84	82	81	80	79	82	82	82	85	84·6	5·7
23	85	84	84	84	84	84	84	80	80	79	70	76	79	79	80	82	85	85	85	84	85	84	83	84	82·1	4·9
24	85	85	84	80	80	80	79	80	81	75	70	69	65	74	75	81	85	89	90	90	92	93	94	94	81·9	**3·7**
25	95	95	95	95	96	97	97	96	96	96	96	98	91	91	97	97	88	89	95	95	98	98	91	92	94·8	5·3
26	93	91	93	91	94	98	98	98	95	96	96	95	93	93	97	96	97	97	97	97	96	97	95	95	**95·3**	6·3
27	95	95	93	93	93	93	94	93	92	93	92	92	87	85	85	79	85	86	86	83	82	82	81	77	88·5	5·1
28	78	73	75	75	85	90	92	92	92	92	93	85	92	92	92	92	92	88	88	88	88	87	87	87	87·1	5·3
29	85	85	83	81	81	86	85	83	86	86	91	86	86	82	78	83	85	83	82	82	82	74	74	76	82·9	4·9
30	79	85	87	91	92	92	92	92	92	93	93	91	83	87	91	92	91	92	91	87	91	91	97	95	89·9	4·5
Mean ...	88·4	88·2	87·9	87·4	87·6	88·3	88·5	87·7	87·7	86·6	84·6	84·5	82·4	**81·6**	82·2	84·2	85·7	86·1	87·5	87·5	88·6	88·8	**89·0**	88·8	86·7	†6·1
Vapour Pressure* ...	mb. 5·9	mb. 5·9	mb. 5·8	mb. **5·7**	mb. **5·7**	mb. 5·8	mb. 5·8	mb. 5·8	mb. 6·0	mb. 6·1	mb. 6·2	mb. **6·4**	mb. 6·3	mb. 6·2	mb. 6·2	mb. 6·1	mb. 6·0	mb. 5·9	mb. 5·9	mb 5·8	mb. 5·9	mb. 5·8	mb 5·9	mb 5·9	mb. ‡6·0	

152. Eskdalemuir : Louvred Hut : h_t = 0·9 metre. **December, 1923.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	98	100	98	95	94	96	97	98	100	97	97	95	95	98	94	93	95	96	95	95	98	92	90	92	95·8	7·1
2	91	100	97	100	97	94	97	94	98	93	87	89	90	89	91	93	90	96	96	93	91	90	92	92	93·3	6·9
3	93	91	92	93	92	93	94	94	94	92	83	80	82	84	85	90	93	96	96	96	96	96	96	96	91·5	5·4
4	96	96	96	93	93	92	91	92	94	98	98	96	96	96	96	96	96	96	96	94	94	94	94	94	94·9	5·9
5	92	92	93	91	91	92	87	88	92	97	95	95	90	91	88	91	92	89	95	89	88	87	85	85	90·8	6·2
6	84	82	84	81	83	85	85	90	93	91	84	85	79	81	90	92	93	94	96	96	97	97	97	94	88·7	5·0
7	92	92	92	92	91	90	83	86	88	88	89	96	95	91	94	95	96	98	100	97	97	98	100	97	93·2	6·7
8	98	98	98	100	100	98	88	87	83	87	84	81	76	73	76	78	80	84	85	82	82	83	86	91	86·7	6·3
9	93	92	92	85	87	87	80	83	86	79	76	78	80	84	92	95	95	93	93	93	95	98	98	98	88·7	4·6
10	100	98	98	97	98	98	98	98	97	92	94	97	97	96	96	97	99	97	97	97	98	99	100	99	97·4	9·4
11	96	99	98	97	97	98	98	98	97	98	97	94	97	97	97	96	96	96	97	94	94	94	95	97	96·6	**9·5**
12	98	97	97	97	96	95	94	93	94	93	94	95	95	96	97	96	97	95	97	96	96	96	96	94	95·6	9·3
13	97	97	96	94	88	83	81	83	90	81	82	77	77	79	81	75	73	86	93	94	94	94	94	93	86·8	6·9
14	97	97	97	88	87	86	86	84	91	96	96	95	98	95	95	95	86	87	83	81	79	79	82	80	89·4	7·6
15	84	84	82	82	84	85	85	85	84	85	79	80	78	78	84	84	85	88	91	93	92	95	91	88	85·1	6·4
16	86	84	86	86	87	93	89	90	90	89	88	87	88	88	89	92	95	95	95	95	86	89	89	89	89·3	**9·5**
17	86	87	87	87	90	90	95	93	86	90	86	90	86	92	89	94	89	91	87	86	85	82	77	81	87·9	9·1
18	84	83	83	81	85	81	80	76	73	76	77	77	72	70	82	76	76	79	81	80	81	81	83	84	79·2	6·0
19	86	82	81	82	85	87	91	85	87	85	80	69	64	64	62	65	66	69	73	72	73	71	71	72	76·1	4·5
20	84	96	87	81	79	76	73	72	71	66	62	65	65	66	69	71	80	78	73	71	68	66	66	72	**73·2**	4·1
21	80	80	82	81	85	88	93	94	98	98	98	97	95	95	94	99	99	98	98	98	98	98	97	97	92·8	5·7
22	98	98	98	98	98	94	90	86	86	87	82	79	79	73	79	81	79	80	74	73	74	75	80	81	84·6	7·1
23	82	83	83	78	78	78	75	76	73	69	67	66	65	65	67	71	73	78	87	88	86	94	82	83	76·9	5·1
24	81	78	75	83	90	94	90	90	91	73	65	65	66	72	98	84	80	83	78	79	84	86	92	93	81·9	4·7
25	94	78	73	81	81	81	83	85	87	92	85	85	90	98	99	98	98	98	98	98	97	95	94	94	90·1	**4·0**
26	94	95	95	94	94	94	93	93	93	95	95	94	94	96	96	95	95	95	95	95	96	99	99	98	95·0	5·7
27	98	98	98	97	96	96	95	95	95	96	96	95	95	98	100	100	100	99	99	99	99	99	98	97	97·5	5·9
28	95	95	95	94	93	87	85	82	85	84	82	83	84	87	91	91	90	88	90	87	92	96	97	97	89·6	5·4
29	98	98	98	98	98	99	98	98	98	99	99	99	99	99	99	100	100	100	100	100	100	100	100	100	**98·9**	4·4
30	98	98	100	100	100	100	97	100	100	98	99	99	95	95	95	100	100	100	100	100	99	100	100	100	98·9	6·6
31	100	99	99	99	100	100	100	100	100	100	100	99	100	99	99	99	100	98	95	97	93	96	100	89	98·6	7·3
Mean ...	92·0	**91·8**	91·3	90·5	90·9	90·7	89·4	89·3	90·1	89·2	87·0	86·5	**85·9**	86·6	89·2	89·7	89·0	91·0	91·3	90·6	90·4	90·0	91·0	90·6	89·8	†6·4
Vapour Pressure* ...	mb 6·2	mb. 6·3	mb. 6·3	mb. 6·2	mb. 6·2	mb. 6·2	mb. 6·2	mb. **6·1**	mb. **6·1**	mb. **6·1**	mb. 6·2	mb. 6·4	mb. 6·4	mb. 6·4	mb. **6·5**	mb. 6·3	mb. 6·3	mb. 6·2	mb. 6·2	mb. 6·2	mb. 6·2	mb. 6·2	mb. 6·2	mb. 6·2	mb. ‡6·2	
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

HUMIDITY: ANNUAL MEANS OF HOURLY VALUES.

From the monthly means for exact hours, Greenwich Mean Time.

153. Eskdalemuir : (Louvred Hut) $h_t = 0{\cdot}9$ metre. **1923.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ...	% 88·8	% **89·2**	% 89·1	% 89·1	% 88·9	% 88·4	% 87·1	% 85·2	% 83·3	% 81·5	% 79·3	% 78·1	% **77·1**	% 77·3	% 77·3	% 78·5	% 80·1	% 82·3	% 84·4	% 85·9	% 87·3	% 87·6	% 87·9	% 88·6	% 84·3
Vapour Pressure (in millibars) ...	mb. 8·0	mb. 8·0	mb. 8·0	mb. **7·8**	mb. 7·9	mb. 8·0	mb. 8·2	mb. 8·3	mb. 8·4	mb. 8·6	mb. 8·6	mb. 8·7	mb. **8·8**	mb. **8·8**	mb. **8·8**	mb. **8·8**	mb. 8·7	mb. 8·6	mb. 8·5	mb. 8·4	mb. 8·3	mb. 8·2	mb. 8·2	mb. 8·1	mb. 8·4

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

154. Eskdalemuir : (Louvred Hut) $h_t = 0{\cdot}9$ metre. **1923.**

Month.	Mean.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	86·8	+ **1·6**	+ 1·5	+ 1·2	+ 1·5	+ 1·3	+ 0·5	+ 1·0	+ 0·5	+ 1·1	+ 1·3	− 0·2	− **2·2**	− 2·1	− 2·1	− 2·1	− 0·9	− 0·3	− 0·1	− 0·9	− 0·7	− 0·2	− 0·3	+ 0·5	+ 0·1
Feb.	88·6	− 0·4	− 0·5	0·0	− 0·2	+ 0·1	+ 0·4	+ 0·5	+ 0·3	+ 0·5	+ 0·5	− 0·6	− 2·3	− 2·4	− **2·6**	− 2·0	− 1·1	0·0	+ **2·5**	+ 2·3	+ 2·1	+ 1·1	+ 0·9	+ 0·7	+ 0·3
Mar.	83·9	+ 5·8	+ 5·3	+ 6·4	+ 6·3	+ 6·2	+ 6·1	+ **6·6**	+ 5·3	+ 3·5	− 1·3	− 3·6	− 7·7	− 9·7	−**12·9**	−12·5	−11·2	− 7·5	− 4·3	− 0·3	+ 1·7	+ 3·8	+ 3·9	+ 4·4	+ 5·4
April	80·4	+ 5·4	+ 5·5	+ 6·3	+ **6·4**	+ 5·3	+ 5·9	+ 3·6	+ 0·1	− 4·1	− 4·0	− 4·9	− 6·1	− 8·1	− 8·1	− 8·2	− **8·3**	− 7·8	− 4·9	+ 0·4	+ **3·3**	+ 5·3	+ 5·9	+ 5·1	+ 5·9
May	78·5	+ 6·4	+ **8·3**	+ 7·9	+ 7·6	+ 7·7	+ 6·9	+ 1·8	− 0·3	− 2·9	− 4·9	− **9·1**	− 8·4	− 7·9	− 6·9	− 8·7	− 8·2	− 5·5	− 3·4	− 0·6	+ 1·7	+ 4·1	+ 3·7	+ 5·0	+ 5·7
June	78·4	+ 7·9	+ **9·7**	+ 8·8	+ 9·2	+ 7·6	+ 5·5	+ 1·5	− 1·5	− 4·8	− 6·7	− 9·1	− 8·9	− 8·8	− 9·0	− **9·2**	− 7·9	− 6·7	− 4·4	− 0·8	+ 1·9	+ 5·1	+ 6·0	+ 6·8	+ 7·9
July	84·3	+ 6·8	+ **7·7**	+ 6·3	+ 7·1	+ 6·5	+ 4·4	+ 2·9	− 0·2	− 3·9	− 4·6	− 5·9	− 7·1	− 8·3	− 8·1	− **8·6**	− 6·7	− 6·1	− 3·7	− 1·7	+ 1·6	+ 4·6	+ 5·0	+ 4·9	+ 7·0
Aug.	83·7	+ 6·4	+ 6·9	+ 6·7	+ 7·4	+ **7·5**	+ 7·2	+ 5·1	+ 1·5	− 1·7	− 5·7	− 9·6	− 9·8	−**10·3**	− 7·3	− 9·5	− 7·1	− 5·4	− 4·3	− 1·5	+ 2·1	+ 4·3	+ 4·7	+ 5·8	+ 6·4
Sept.	85·2	+ 6·4	+ 5·7	+ **6·5**	+ 6·3	+ 6·2	+ 5·6	+ 5·9	+ 3·2	− 0·5	− 3·9	− 6·8	− 8·6	− **9·9**	− 9·5	− 9·6	− 8·6	− 6·8	− 1·9	+ 0·6	+ 2·2	+ 2·8	+ 4·6	+ 4·2	+ 5·7
Oct.	84·8	+ 4·7	+ **5·4**	+ 5·3	+ 5·3	+ 5·0	+ 4·5	+ 3·4	+ 1·5	+ 0·3	− 2·9	− 5·2	− 6·9	−**10·0**	− 9·5	− 8·1	− 6·3	− 2·8	− 0·2	+ 1·3	+ 1·9	+ 3·0	+ 2·6	+ 3·1	+ 4·4
Nov.	86·7	+ 1·9	+ 1·7	+ 1·3	+ 0·9	+ 1·0	+ 1·7	+ 1·9	+ 1·1	+ 1·1	0·0	− 2·1	− 2·1	− 4·3	− **5·1**	− 4·5	− 2·5	− 1·0	− 0·6	+ 0·8	+ 0·8	+ 1·9	+ 2·0	+ **2·2**	+ 2·0
Dec.	89·8	+ **2·1**	+ 1·9	+ 1·4	+ 0·6	+ 1·0	+ 0·8	− 0·5	− 0·6	+ 0·3	− 0·7	− 2·9	− 3·3	− **4·0**	− 3·2	− 0·7	− 0·1	+ 0·1	+ 1·2	+ 1·6	+ 0·8	+ 0·6	+ 1·2	+ 1·3	+ 1·1
Year.	84·3	+ 4·6	+ **4·9**	+ 4·8	+ **4·9**	+ 4·6	+ 4·1	+ 2·8	+ 0·9	− 0·9	− 2·7	− 5·0	− 6·1	− **7·1**	− 7·0	− 7·0	− 5·7	− 4·1	− 2·0	+ 0·1	+ 1·6	+ 3·0	+ 3·3	+ 3·7	+ 4·3

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

† *Amounts, in millimetres ; durations, in hours, for periods of sixty minutes between the exact hours, Greenwich Mean Time.*

155. Eskdalemuir : $H_r = 242{\cdot}0$ metres + 0·4 metre. **1923.**

G.M.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to Noon	Noon to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	0 to 24
Amount*	mm. 64·9	mm. 71·3	mm. 70·8	mm. **87·3**	mm. 64·8	mm. 67·2	mm. 76·1	mm. 57·8	mm. 57·2	mm. 69·2	mm. **54·2**	mm. 64·1	mm. 62·8	mm. 79·2	mm. 61·7	mm. 81·8	mm. 61·0	mm. 82·1	mm. 86·6	mm. 83·5	mm. 64·6	mm. 64·4	mm. 81·6	mm. 71·4	mm. 1745·2
Duration*	hr. 70·5	hr. 69·1	hr. **70·6**	hr. 69·2	hr. 65·8	hr. 64·6	hr. 69·3	hr. 60·9	hr. 60·1	hr. 58·7	hr. **46·9**	hr. 61·5	hr. 54·1	hr. 64·0	hr. 65·2	hr. 69·0	hr. 59·3	hr. 68·3	hr. 66·5	hr. 67·9	hr. 63·1	hr. 59·6	hr. 58·6	hr. 64·5	hr. 1527·3

† The totals and durations for individual months are printed in the tables on the following pages.

* Hourly totals of amount and duration are for 358 days only. Annual total of daily (0–24 hr.) amounts refer to 365 days, but the total duration for the year refers to 358 days. *See* footnotes to monthly tables.

156. Eskdalemuir. **1923.**

Notable Falls of the Year.

(*a*) The greatest amount in a 60 minute period was 13·0 mm., which was recorded between 22h. and 23h., August 23rd. There were a number of occasions when 4 or 5 mm. were recorded in the space of an hour.

(*b*) Details of the greatest continuous falls are as follows :—

Date.	Amount. mm.	Duration. hr.
April 12th	32	12·9
June 8th	26	10·5
August 2nd	25	7·6
August 6th–7th	27	18·3
August 8th–9th	33	13·5
August 20th–21st	36	16·3
September 27th–28th	28	13·3
October 29th–30th	39	18·5
November 2nd–3rd	29	13·8
November 13th	36	21·5
December 11th–13th	27	32·3

Wet Periods.

(*a*) There were five "rain spells" (*i.e.*, a period of fifteen or more consecutive days on each of which 0·2 mm. or more of rain fell), viz., January 19th to February 12th, July 19th to August 3rd, August 15th to September 1st, September 9th to September 30th, October 15th to October 30th. The periods January 28th to February 12th, and August 16th to August 31st were nearly "wet spells," for on only one day in each period was the rainfall less than 1 mm. ; and in the period September 9th to September 30th there were only three days on which less than 1 mm. of rain was recorded.

Dry Periods.

(*a*) There were no periods of "absolute drought" (*i.e.*, fifteen or more consecutive days on each of which less than 0·2 mm. of rain fell), or of "partial drought" (*i.e.*, twenty-nine or more consecutive days, the mean rainfall of which did not exceed 0·2 mm. per day).

(*b*) Details of the principal relatively dry periods are as follows :—

(i) March 10th to March 26th. Total rain 6·5 mm., all of which fell on the 12th and 13th.

(ii) April 16th to April 24th. Total rain 2·2 mm., all of which fell on the 21st.

(iii) June 19th to June 29th. Total rain 0·7 mm., of which 0·4 mm. occurred on the 25th.

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

157. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **January, 1923.**

Day	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·2	·8	3·1	2·0
2	1·3	1·0	·1	1·1	1·6	1·2	·8	3·0	6·0	2·3	2·3	2·3	·1	...	·7	·4	·2	·5	...	·2	·6	2·0	2·1	...	**29·8**	**15·3**
3	...	...	·7	2·0	...	...	...	...	...	...	...	...	...	...	...	2·1	...	...	...	...	...	...	...	...	4·8	1·9
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*15·1	?
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	·1	·4	0·6	1·3
7	1·6	2·3	2·0	2·7	·9	·4	·3	...	·3	...	...	...	...	...	·3	·6	·8	·8	·2	·1	·2	·3	·8	·3	14·9	15·0
8	·2	·3	·8	·7	1·2	1·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·9	6·0
9	...	...	2·3	4·7	5·3	·2	·4	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·3	...	...	13·3	3·5
10	...	·2	·5	·8	2·1	1·9	1·2	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·3	6·1
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	·4	·5	·1	...	...	·2	·5	·2	...	...	...	...	...	...	...	·1	2·0	3·5
14	·2	·2	·1	...	...	...	4·4	·3	·5	·1	...	...	...	...	...	...	·1	...	...	·1	·2	·1	...	...	6·3	6·3
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	·2	·4	·3	·1	·2	·1	·1	...	...	...	...	...	...	...	·3	·3	...	...	...	2·0	6·5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·2	·4	·3	·1	·1	1·3	6·0
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	·2	...	·1	...	...	...	·1	...	...	·6	·2	...	1·7	1·9	·8	...	...	...	...	...	...	...	5·6	5·6
20	·4	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·7	1·6
21	...	...	...	...	...	...	...	...	...	·1	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	0·3	2·2
22*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*2·7	?
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·2	...	0·7	2·9
24	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	·1	·2	·2	·6	·5	...	...	...	...	1·8	4·3
25	...	...	...	...	...	...	1·0	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·2
26	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4
27	...	...	...	...	...	·1	·1	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·6
28*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*3·7	?
29	·4	...	·1	1·2	1·0	·7	·6	·2	·2	...	...	...	...	...	...	1·0	·9	·5	·1	...	...	...	...	...	6·9	8·4
30	·4	·1	...	·1	...	...	...	...	...	...	...	...	...	...	·3	...	...	·2	...	...	...	...	·5	...	1·6	4·0
31	...	...	...	...	...	·1	·1	...	...	·2	...	...	1·2	1·0	1·2	2·7	2·3	·7	·3	...	...	...	...	...	9·8	5·8
Sums.*	4·5	4·1	7·0	**13·3**	12·2	6·5	9·3	4·5	7·6	3·7	2·6	3·2	1·7	1·2	4·7	9·0	5·5	3·0	1·3	1·4	2·0	3·4	6·0	1·8	141·0	110·4
Total Duration.*	hr. 6·3	hr. 4·8	hr. 7·0	hr. **7·7**	hr. 7·0	hr. 6·3	hr. 7·0	hr. 3·9	hr. 3·3	hr. 3·7	hr. 1·8	hr. 2·9	hr. 2·0	hr. 1·5	hr. 3·4	hr. 6·2	hr. 4·6	hr 4·6	hr. 3·1	hr. 2·8	hr. 5·4	hr. 5·3	hr. 5·6	hr. 4·2	hr. 110·4	

158. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **February, 1923.**

Day	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	1·5	1·6	·4	·8	·9	·4	·3	·5	3·1	3·7	1·4	·8	·2	2·2	2·3	**20·1**	13·7
2	·3	...	...	·8	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	·7	1·6	·2	·3	4·0	4·6
3	·2	1·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	2·1	1·2	·1	...	·1	·1	7·8	6·7
4	·2	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	2·3
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	1·9	1·6	...	...	·9	·8	...	...	6·7	4·6
6	...	...	...	...	...	...	...	...	1·9	·9	1·2	1·1	·3	·3	·7	·7	1·0	·2	1·4	1·5	1·6	·5	·2	·1	13·6	14·4
7	1·3	·9	·1	...	...	...	...	...	...	2·8	2·2	1·4	1·4	3·5	·3	...	...	...	...	·3	·2	...	...	...	14·4	6·4
8	...	·2	...	1·6	1·5	3·7	3·8	1·3	1·1	·1	·2	·3	...	...	·3	·1	...	...	...	...	...	...	...	...	14·2	9·4
9	...	...	1·0	·6	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	3·4
10	·1	1·5	·7	·4	·1	...	·2	1·0	1·0	·6	1·5	1·0	1·0	·8	·5	·2	·1	...	...	...	...	...	...	...	10·7	**14·6**
11	...	...	...	...	...	...	·7	·5	1·8	·7	...	...	...	...	...	·4	·2	1·7	1·1	·8	·7	·2	·4	·1	9·3	11·3
12	·3	...	...	...	...	...	...	·1	·2	...	...	...	...	2·7	1·6	·1	...	·2	·5	...	...	...	...	...	5·7	5·9
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
†14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†2·0	?
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	·2	·3	·3	·5	·4	·4	·5	·4	·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	4·0	9·9
17	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
†18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†8·1	?
19	·4	·4	·4	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	5·0
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
†21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	†2·9	?
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	·2	0·6	2·1
25	·3	·2	...	·1	·2	1·2	·7	·4	·2	·4	·1	...	·2	·4	1·8	·9	·1	·2	·2	...	...	...	...	...	7·6	10·9
26	...	...	·1	...	·1	...	·2	·4	·6	1·2	2·6	3·2	2·9	·5	·4	...	...	...	...	...	...	...	...	·6	12·8	9·8
27	·1	·4	·5	1·0	·4	·2	·7	·6	...	...	...	...	·1	1·4	·7	·1	...	·2	·1	·4	·3	...	...	...	7·2	12·1
28	...	...	...	...	...	...	...	...	...	...	...	·4	...	·2	·7	·1	...	·2	...	...	...	...	...	...	1·6	3·3
Sum†	3·2	5·5	3·2	5·2	3·2	5·7	6·8	4·8	7·3	9·0	9·6	7·8	6·7	**10·7**	7·4	4·4	3·8	9·7	9·1	5·6	5·3	3·5	3·3	3·7	157·5	150·4
Total Duration†	hr. 4·5	hr 7·3	hr. 6·0	hr. 6·8	hr. 6·7	hr. 4·8	hr. 6·3	hr. 7·5	hr. 7·5	hr. 7·1	hr. 7·1	hr. 6·8	hr. 4·7	hr. 7·1	hr. **8·2**	hr. 6·9	hr. 5·2	hr. 7·5	hr. 6·4	hr. 5·0	hr. 6·8	hr. 4·2	hr. 4·6	hr. 5·4	hr. 150·4	
G.M.T	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

* The Sums of hourly amounts are for 28 days only. On 5th, 22nd, 28th, the amounts of rain could not be distributed among the actual hours of fall, and have been omitted from the hourly columns but have been included in the daily totals (0–24 h.). The hourly durations and the total duration refer to 28 days only.

† The sums of hourly amounts, the totals of hourly duration and the total duration refer to 25 days only. The amounts of snow and rain on 14th, 18th, 21st could not be distributed among the hours of fall, but have been included in the daily total (0–24 h.). Snow was blown out of rain gauge on 18th by wind.

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

159. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **March, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·4	...	...	...	...	...	·3	1·1	0·7
2	2·3	1·4	·3	...	...	...	...	...	...	...	...	·2	·1	1·1	·4	·1	...	·5	·9	·6	·6	·1	1·2	1·8	**11·6**	**11·8**
3	·5	...	...	...	1·7	1·2	·2	·8	·3	·8	1·5	·3	·1	1·3	·8	·1	...	...	...	...	...	...	...	...	9·6	9·5
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	1·5	3·5	3·7	1·0	·3	...	...	...	·9	·1	·3	...	...	...	...	·1	11·4	5·8
6	(≡)	(·1)	(≡)	(≡)	(≡)	(·1)	(≡)	...	...	...	...	1·4	12·9	1·2	·2	...	...	...	...	...	...	...	...	1·1	7·0	3·6
7	·8	·3	·3	·4	·2	1·3	·5	·6	...	...	...	...	...	...	...	...	·3	·8	·1	...	...	·1	·1	...	5·8	10·0
8	...	...	...	...	...	...	·1	·2	·2	...	...	·2	...	...	...	·2	·1	...	...	...	...	...	...	·1	1·1	3·6
9	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·4	0·4
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	·3	·8	...	...	...	·1	·6	·4	·1	1·6	·7	·7	·2	...	...	...	5·5	6·6
13	...	...	·1	...	...	·2	·4	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	2·0
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·1	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·2	·6	1·5	1·8
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	·2	4·2	9·0
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	·2	...	·3	·4	1·0	·9	·2	·3	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·1	...	...	·2	4·2	9·0
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·3
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	3·9	1·8	1·1	1·0	2·9	3·7	1·4	2·2	2·6	**5·5**	5·2	3·1	3·4	3·7	2·0	0·9	1·7	3·4	2·2	1·4	1·0	0·6	1·5	4·2	60·4	65·1
Total Duration.	hr. 3·3	hr. 1·7	hr. 2·8	hr. 2·3	hr. 2·5	hr. 3·8	hr. 4·2	hr. 3·8	hr. **4·3**	hr. 4·0	hr. 1·9	hr. 2·9	hr. 1·4	hr. 2·8	hr. 3·1	hr. 1·4	hr. 2·2	hr. 3·0	hr. 3·5	hr. 1·9	hr. 1·3	hr. 1·5	hr. 1·7	hr. 3·8	hr. 65·1	

160. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **April, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	·2	1·8	·6	·2	·1	...	...	...	...	...	...	...	...	2·9	4·5
2	...	...	...	...	·1	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·7
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·0	·3	·1	·2	·4	·2	...	2·3	5·2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	·1	·4	·4	·4	·9	·8	·8	·7	·1	...	...	...	...	...	...	...	...	...	·3	·1	·2	1·6	2·7	9·5	11·5
11	·6	·6	2·7	·6	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·6	4·3
12	...	...	...	...	...	...	3·4	·8	...	·2	...	...	·8	2·5	1·0	·8	·3	·6	·6	·9	1·5	2·8	8·0	9·5	**33·7**	**13·6**
13	2·4	...	...	·2	...	...	·1	·2	·4	·3	...	...	...	...	...	...	...	...	...	...	·1	·3	·1	·5	4·6	6·5
14	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·6	1·0	·1	·2	·5	...	...	·1	...	2·8	4·7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	...	...	0·4	0·2
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	·3	·2	·2	·6	·2	·3	·2	·1	·1	...	...	...	...	2·2	7·5
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25·1*	?
26	·6	...	...	·4	·4	·2	...	...	...	...	...	·4	·4	·1	1·0	3·4	1·0	...	...	...	...	...	...	...	7·9	7·5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·1	...	...	...	...	...	...	0·3	0·3
28	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	·3	...	...	·1	...	...	...	...	...	...	0·6	0·7
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	·6	·5	·6	·6	4·0	5·0
30	1·3	·9	·9	·8	·4	·2	·4	·2	·2	...	...	·1	·1	...	·1	1·5	...	...	...	1·3	·1	...	·2	...	8·7	11·4
Sum.*	4·9	1·6	4·0	2·4	1·3	1·3	4·8	2·0	1·4	1·0	0·0	1·3	3·3	3·5	3·7	6·9	2·7	2·1	1·2	4·9	2·6	4·2	10·8	**13·3**	110·3	84·0
Total Duration. *	hr. 3·4	hr. 2·0	hr. 3·0	hr. 3·8	hr. 3·0	hr. 2·5	hr. 2·7	hr. 2·9	hr. 3·2	hr. 2·1	hr. 0·0	hr. 2·8	hr. 4·7	hr. 4·9	hr. **5·7**	hr. **5·7**	hr. 4·1	hr. 3·3	hr. 3·2	hr. 4·9	hr. 3·4	hr. 4·5	hr. 4·3	hr. 3·9	hr. 84·0	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

* Sums of hourly amounts, total hourly durations and total duration refer to 29 days only. On the 25th the amount of snow could not be distributed among the actual hours of fall, but has been included in the daily total (0–24 hr.).

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

161. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **May, 1923.**

Day.	0–1	1–2	2–3	2–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	·6	·1	...	...	...	...	...	...	...	0·9	1·4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·2	...	...	...	...	...	...	0·8	1·9
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	·1	·1	·2	·1	·6	...	...	...	...	...	...	...	...	...	...	...	1·1	1·2
9	...	...	...	...	...	...	...	...	...	1·6	1·2	·9	·3	...	...	...	...	...	1·2	·1	·8	·5	·2	...	6·8	6·1
10	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·8	2·8	2·9	3·3	1·6	·3	...	·1	2·5	2·4	17·5	7·3
11	·3	·8	·2	·1	...	...	...	...	...	...	...	...	·1	·2	·3	·5	·3	...	...	...	...	...	...	...	2·8	7·0
12	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·2	...	...	...	...	...	...	...	...	...	0·6	1·0
13	...	...	·2	·8	·6	...	...	...	...	...	...	...	...	...	...	1·2	·6	...	...	·1	·4	...	...	·1	4·0	3·1
14	...	...	...	...	...	...	...	...	...	1·2	·1	·6	·9	1·0	·2	·3	·9	4·4	3·0	3·0	1·4	·4	·6	·8	**18·8**	13·5
15	·2	·6	·1	...	...	...	...	...	·8	2·3	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	4·3	4·0
16	·4	·2	...	·1	·1	...	...	...	...	...	...	...	...	...	·2	...	·5	...	...	·6	·5	·2	·1	...	2·9	4·1
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	·1	·1	...	...	·2	·1	...	...	...	1·1	3·6
19	...	·4	·4	·4	·3	·3	·3	...	·1	·5	1·0	·2	·6	·3	·1	·1	...	...	...	...	...	...	·1	·2	5·3	13·5
20	·1	·1	·2	...	·3	·2	...	...	·4	·6	·9	·7	1·6	1·6	1·1	·9	·2	·6	...	...	...	·2	...	9·7	**13·9**
21	·4	·6	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	2·8
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·5	·1	...	...	...	...	...	...	1·1	1·4
23	...	...	...	...	...	...	...	...	...	1·3	...	·4	·6	·2	·1	...	...	...	...	...	...	...	...	...	2·6	2·6
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·0	1·0	2·0	·2	·3	4·9	4·0
25	·1	·8	...	...	·7	·9	·1	...	...	...	...	·1	·1	·8	·1	·6	...	·2	...	...	...	...	...	...	4·5	4·2
26	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	·6	·1	·1	...	...	1·1	2·4
27	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
28	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	1·5	3·5	1·3	1·5	2·0	1·4	0·5	...	1·5	7·8	3·4	3·1	5·0	5·7	3·5	7·6	6·7	**8·8**	6·2	5·9	4·3	3·3	3·9	4·1	92·5	99·8
Total Duration.	hr. 5·0	hr. 5·7	hr. 3·9	hr. 2·5	hr. 3·6	hr. 2·8	hr. 1·4	hr. ...	hr. 1·3	hr. 4·7	hr. 3·8	hr. 4·7	hr. 5·5	hr. 6·9	hr. 6·8	hr. 7·7	hr. 6·7	hr. 3·7	hr. 3·6	hr. 4·1	hr. 5·0	hr. 3·6	hr. 3·2	hr. 3·6	1 hr. 99·8	

162. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **June, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5
5	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·2	...	...	...	·1	...	...	...	...	0·8	2·7
6	...	...	·1	·7	·1	·6	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	2·0
7	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
8	...	...	...	...	...	...	...	·6	1·5	2·9	3·6	3·2	4·8	6·0	1·0	·7	·7	·8	...	·1	...	·1	·1	·1	**26·2**	**10·5**
9	·1	...	...	...	...	...	...	·1	·1	...	...	...	...	·1	·3	·5	·8	1·0	·9	·1	·1	·7	1·1	...	5·9	(8·7)
10	...	·9	1·0	·1	...	...	...	...	·2	·5	1·8	·6	·3	1·2	·1	·6	·1	·1	...	...	...	...	...	·4	7·9	6·9
11	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·8
12	...	...	...	...	...	...	...	1·0	·8	1·8	·1	·2	·1	·9	...	·2	...	...	...	...	...	...	...	...	5·1	4·4
13	·5	·3	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	2·8
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	·1	1·1	1·0	
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	·1	·2	1·2	3·4	
18	·2	·1	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	2·0
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	0·2	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	...
25	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	1·9
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·8
Sum.	1·1	1·8	1·3	1·0	0·2	0·8	0·1	2·3	2·8	5·2	5·5	4·0	5·2	**8·4**	1·7	2·2	1·6	1·9	0·9	0·4	0·3	2·6	1·3	0·9	53·5	49·4
Total Duration.	hr. 3·6	hr. 4·2	hr. 2·2	hr. 0·9	hr. ...	hr. 0·4	hr. ...	hr. 3·1	hr. 3·4	hr. 2·4	hr. 2·0	hr. 3·0	hr. 1·4	hr. **4·2**	hr. 2·9	hr. 3·8	hr. 2·0	hr. 2·0	hr. 1·0	hr. 0·4	hr. 0·4	hr. 3·0	hr. 1·6	hr. 1·5	hr. 49·4	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	12–13	14–15	15–16	16–17	17–18	18 19	19 20	20–21	21–22	22–23	23–24	0–24	

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

163. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **July, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	·2	·2	0·2	0·5
2	...	...	·3	·5	·2	·3	·1	·1	...	...	...	...	...	...	...	...	...	...	...	·1	...	·2	·2	·3	2·3	5·4
3	·4	·4	1·4	2·5	1·5	·8	·3	1·2	·8	·7	·9	·2	...	·5	·1	...	...	...	...	...	...	...	...	...	11·7	11·9
4	...	...	...	...	...	...	...	...	...	...	...	·5	·6	·6	·7	·9	·4	·2	...	·2	...	...	...	·1	4·2	7·1
5	·1	·2	·7	·3	·9	·9	·5	·5	·6	·6	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	5·7	10·2
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	·5	8·2	...	...	·5	1·2	·1	...	...	...	...	...	10·5	2·2
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	·2	...	1·0	1·8	2·4	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·7	4·4
11	...	...	...	...	...	·6	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·4
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	·1	·2	·2	·2	·2	·1	·1	·2	·3	1·7	(9·2)
16	1·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	...	...	·1	...	2·1	1·6
17	...	...	...	...	...	...	...	...	·7	·2	...	·6	1·2	...	·1	·9	·2	·1	·4	...	...	·1	...	...	4·5	4·3
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	·5	2·0	2·2	1·4	·6	·6	·4	·1	·2	...	...	...	...	...	...	·1	·9	·5	9·5	9·9
20	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	1·0	·1	·2	·1	1·0	2·6	2·4
21	1·2	·8	1·1	1·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·5	3·8
22	...	...	...	...	...	...	·4	·6	·4	1·1	1·3	·3	...	·3	·6	1·1	·3	·1	·3	·2	...	...	...	·3	7·3	**12·9**
23	·4	1·9	3·5	2·2	1·8	2·6	1·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	14·0	7·9
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	0·2	0·7
25	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·2	...
26	·2	...	·2	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	2·2
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·6	2·0	·5	·2	3·6	4·5
28	·1	...	...	...	·2	2·7	·1	...	...	·1	·3	·5	·2	·8	·6	·4	...	...	...	...	...	·4	·5	·7	7·6	11·0
29	1·0	·8	1·0	·2	·4	·1	...	...	...	·5	...	...	...	...	·3	·1	·2	·7	·1	...	...	...	...	...	5·4	8·1
30	...	·5	...	·2	...	...	...	...	...	...	...	1·0	·1	...	...	...	...	...	2·2	2·0	2·2	3·6	1·3	1·0	14·1	7·3
31	·2	·1	...	...	...	...	...	...	...	1·2	....	4·1	·1	·7	1·2	3·1	...	2·4	3·3	·8	·8	...	...	...	**18·0**	9·2
Sum.	4·8	4·8	8·2	7·4	5·2	8·0	4·4	6·6	7·1	6·1	3·4	7·9	3·1	**11·2**	3·8	6·6	1·8	5·1	6·8	5·6	4·0	6·7	3·9	4·5	137·0	138·1
Total Duration.	hr. **8·4**	hr. 5·4	hr. 6·5	hr. 5·5	hr. 6·2	hr. 5·6	hr. 6·3	hr. 7·8	hr. 5·6	hr. 6·4	hr. 4·6	hr. 7·1	hr. 5·1	hr. 5·6	hr. 5·0	hr. 5·1	hr. 5·1	hr. 5·2	hr. 4·3	hr. 5·7	hr. 4·2	hr. 4·6	hr. 5·5	hr. 7·3	hr. 138·1	

164. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **August, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	·1	·8	·1	...	...	...	...	...	...	...	...	...	...	...	1·0	0·3
2	...	...	...	...	...	...	...	...	·1	·8	1·6	·2	·1	...	...	·3	2·1	2·0	6·2	5·8	6·6	2·6	·8	1·0	**30·2**	11·0
3	·8	·4	·4	·4	·3	·1	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	4·5
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	0·1	0·3
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·7	·3	·1	·9	·3	1·3	·4	1·2	5·7	7·3
7	1·7	3·0	1·9	1·6	2·4	2·6	3·1	1·1	1·0	·6	1·4	1·2	·7	·1	·3	·2	...	...	...	...	...	...	...	...	22·9	**15·1**
8	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·1	...	·2	1·5	4·3	2·0	1·3	1·6	3·4	14·7	8·7
9	2·7	4·5	5·2	2·9	·6	1·4	1·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18·9	7·0
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·1	...	...	...	...	...	...	...	0·2	...
13	·6	·5	·6	·3	·7	·3	·8	1·0	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·3	8·0
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	·2	·1	...	·1	·1	...	...	...	...	...	·1	...	...	...	·2	0·8	1·8
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	1·3	1·7	2·8	1·4	9·5	4·6
17	·8	·2	1·2	3·8	2·1	2·1	·1	·5	·2	...	...	...	1·1	1·4	·3	·1	·1	·2	·1	·2	...	...	(·1)	(...)	14·6	10·5
18	·1	·6	·6	1·1	1·8	·1	·2	·1	...	...	...	...	...	...	...	...	1·2	·1	·3	·5	·6	...	...	...	7·3	8·7
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	1·2	...	...	...	1·4	1·3
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	4·2	4·3	1·8	2·4	2·0	1·3	17·0	6·6
21	5·2	2·7	1·8	4·8	·9	·2	·5	·5	·6	1·7	·1	·1	·1	·1	...	...	...	...	...	·2	...	·1	...	...	19·6	12·7
22	...	...	...	...	·4	·5	·1	...	·9	·9	1·2	...	...	...	...	...	...	...	·1	...	...	...	...	...	4·1	4·6
23	·1	·2	·3	·3	...	...	...	...	...	...	...	1·1	1·6	2·5	1·0	1·5	·8	·4	·2	·1	·5	·5	13·0	1·6	25·7	14·9
24	·1	...	...	...	...	...	...	...	...	...	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·7
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·0	1·0	·7	2·5	·4	...	2·7	...	8·4	5·5
26	...	...	...	...	...	...	·1	...	...	·4	...	·3	·2	...	1·3	·6	...	1·4	·5	·5	·6	...	...	...	5·9	7·0
27	...	...	...	...	...	...	·1	...	...	·1	...	·1	·1	·9	·2	1·9	1·4	2·0	·2	...	...	...	·1	·1	7·2	5·9
28	·8	·4	·1	...	...	·1	1·8	·2	·1	1·8	...	...	...	1·5	...	...	...	...	...	...	...	...	...	...	6·8	4·2
29	...	...	...	...	...	...	·3	...	...	...	...	...	...	·1	1·0	1·6	2·3	1·4	2·8	3·3	2·8	1·5	1·3	·2	18·6	11·7
30	·5	1·6	·3	...	...	...	...	...	...	...	...	...	·7	·1	...	...	...	1·2	...	...	...	...	...	...	4·4	3·9
31	...	...	...	...	...	·4	·2	·8	·1	...	...	...	...	·8	·5	4·7	·1	...	....	...	·5	...	...	...	8·1	6·3
Sum.	13·4	14·1	12·4	15·2	8·8	7·7	9·4	4·3	2·6	6·6	4·9	5·2	4·8	7·7	4·8	11·6	9·9	11·2	17·1	**25·0**	18·6	11·4	24·8	10·4	261·9	173·1
Total Duration.	hr. 9·1	hr. 8·4	hr. 8·5	hr. 7·6	hr. 6·2	hr. 8·1	hr. 8·7	hr. 6·7	hr. 4·3	hr. 4·5	hr. 3·9	hr. 4·9	hr. 5·1	hr. 6·6	hr. 6·1	hr. 6·5	hr. 7·3	hr. 8·0	hr. 9·0	hr. **10·3**	hr. 10·2	hr. 6·9	hr. 8·1	hr. 8·1	hr. 173·1	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

165. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **September, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	0·2	0·4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	1·8	1·0
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	12·8	6·9
4	3·4	4·8	1·8	·7	·5	·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	5·8
5	·1	·1	·1	·2	·6	·4	·8	·8	·2	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	6·2	5·4
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	2·7	2·3	·2	·4	·2	·1	1·1	3·4
7	·3	·3	·2	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·2	3·3
9	·2	...	...	...	...	...	...	...	...	...	...	·4	1·6	·4	·5	·1	...	...	...	...	...	...	...	...	0·2	...
10	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·7	5·8
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·7	·1	·2	2·2	1·4	·6	·3	5·9	8·7
12	·4	·4	·5	·9	1·1	·2	·6	1·1	·2	·5	...	...	...	...	...	...	...	...	...	...	·1	·1	...	·3	1·0	2·0	15·7
13	...	...	...	·3	·9	1·2	1·7	1·8	1·0	2·0	1·6	1·1	·4	·2	...	...	...	...	...	...	...	...	...	...	5·4	4·5
14	1·3	2·0	·4	1·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·3
15	...	...	...	...	...	...	...	...	...	...	...	·5	...	·4	·1	...	...	...	...	...	...	...	...	...	1·9	4·1
16	...	...	...	·6	·7	·4	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·0
17	...	...	...	...	...	·1	·1	·7	·3	·9	1·6	·6	1·2	1·6	1·6	2·2	1·3	1·3	2·2	1·0	·8	2·6	·4	·3	20·8	15·2
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·2	...	...	...	...	...	...	1·0	1·0
19	...	...	...	...	...	...	·1	...	...	...	·3	·2	·4	·3	·1	·4	·2	·1	2·2	·3	...	...	·3	...	4·9	7·9
20	...	...	·2	...	·8	1·3	1·9	·3	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·2	4·0
21	...	...	...	...	·2	·8	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	2·0	3·4
22	·5	1·0	·1	...	...	1·6	·8	...	·2	...	...	·8	·1	·2	...	3·4	·1	·4	·9	...	·6	·1	...	...	10·8	8·2
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	...	...	·2	...	...	0·7	0·8
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·7	1·8	1·1
25	1·5	2·8	2·8	·1	...	...	·9	·7	·7	4·4	·8	·4	2·2	2·6	4·9	·6	1·3	3·2	·2	1·9	·1	...	...	...	**32·1**	**16·2**
26	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	·3	·2	·1	1·0	·1	...	...	...	1·9	3·8
27	...	...	...	...	...	...	...	...	·1	1·0	4·3	1·3	4·2	4·0	2·3	2·0	1·6	3·8	1·3	·9	·8	·4	·4	2·2	30·6	14·9
28	·4	1·0	·3	·3	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	5·0
29	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	1·3	·3	·2	·4	...	...	...	...	...	2·6	4·6
30	...	...	...	·2	·1	...	...	...	...	(...)	(·1)	(...)	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	0·5	1·7
Sum	8·1	**12·4**	6·4	5·1	5·6	6·8	7·8	5·7	3·4	8·8	8·8	5·7	10·2	9·7	9·5	10·1	6·0	11·1	10·2	7·7	5·4	5·4	3·0	9·0	181·9	151·9
Total Duration.	hr. 6·7	hr. 7·0	hr. 7·3	hr. 7·7	hr. **8·5**	hr. 7·7	hr. 7·3	hr. 6·4	hr. 5·6	hr. 4·0	hr. 4·6	hr. 7·3	hr. 6·0	hr. 6·0	hr. 5·0	hr. 5·9	hr. 5·8	hr. 8·1	hr. 7·6	hr. 6·7	hr. 5·6	hr. 4·8	hr. 4·5	hr. 5·8	hr. 151·9	

166. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **October, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·8
2	...	...	·1	·4	...	·2	·1	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·9	3·0
3	...	...	...	...	...	...	·8	·5	·5	·2	...	...	·1	...	...	·4	·1	...	·5	...	...	...	...	...	3·1	4·6
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	·2	·5	·4	·2	...	...	·4	·6	1·0	·6	·4	...	...	3·3	·1	...	...	·3	·2	8·2	8·9
6	...	...	...	·3	·1	...	...	·1	...	·9	·6	...	...	...	...	...	·1	...	...	·2	...	...	...	...	2·3	3·4
7	...	...	...	...	·9	1·3	2·5	·1	·2	·4	·5	·4	·3	·2	...	...	...	...	...	...	...	...	...	...	6·8	8·6
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	2·1	1·7	2·2	2·6	1·4	·8	11·4	6·6
9	·8	1·0	·3	2·4	·2	·1	·7	...	...	...	...	...	...	...	...	1·2	·7	1·3	...	...	·2	...	2·2	·5	11·6	9·1
10	...	...	·8	·1	·7	·2	·3	...	2·2	1·7	1·1	...	·2	...	·2	·9	5·0	·9	·2	·2	...	1·2	1·0	...	16·9	10·3
11	...	...	...	...	...	...	·1	...	·1	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	(0·3)	0·8
12	...	...	...	...	...	1·1	·2	1·8	2·3	1·9	·2	4·7	·9	·5	·4	...	...	·1	...	...	...	...	·1	...	14·2	8·2
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·2	·2	·1	...	...	...	0·9	2·7
16	·6	·2	2·4	2·0	...	·1	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·8	5·2
17	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·9
18	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	·3	2·0	1·0	1·3	·9	·8	·6	7·3	7·2
19	1·0	1·2	·4	·9	2·6	2·2	3·1	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12·2	6·7
20	...	...	...	...	...	...	...	...	...	...	·4	·1	...	...	...	...	...	...	...	·3	...	...	...	...	0·8	1·9
21	...	·3	1·1	4·1	·6	1·5	·6	1·4	·2	...	...	...	...	...	...	...	...	·2	·1	·4	...	...	...	...	10·5	8·6
22	...	...	...	...	...	...	1·4	1·0	...	...	·2	·6	·6	·3	·5	·2	...	1·0	1·4	·2	·1	·1	...	...	7·6	8·4
23	...	...	...	...	...	...	...	·3	·6	·1	·6	·6	·8	1·3	1·7	2·2	2·0	·7	1·2	·2	...	...	...	...	12·3	9·2
24	...	...	...	...	...	...	...	...	·3	...	...	·7	...	...	·2	·3	...	1·2	·5	·2	...	1·3	·1	·2	5·0	4·3
25	·1	...	...	...	...	...	...	...	...	...	...	1·3	·2	...	·4	·6	·1	·7	1·8	·1	...	...	...	...	5·3	4·2
26	...	1·0	3·4	1·6	2·6	2·3	2·8	2·3	·1	...	...	...	...	...	·9	...	...	...	·2	6·5	·3	...	...	...	24·1	8·2
27	1·2	1·6	2·2	2·1	1·2	2·7	1·2	1·2	1·6	1·5	·4	...	...	...	...	...	...	...	...	·5	·9	·4	·2	5·4	**24·3**	14·6
28	1·8	2·4	1·2	·8	·1	...	·1	...	·1	·3	...	...	...	...	...	1·0	...	...	·3	1·0	·2	·6	·1	...	9·9	10·0
29	·4	·4	·1	·3	·6	...	...	...	...	...	...	...	·4	1·6	2·4	3·4	1·8	2·1	1·7	2·2	3·5	1·8	·8	·3	23·8	**15·4**
30	·5	·6	·4	1·0	1·3	2·5	3·0	2·5	3·0	1·2	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	17·2	11·0
31	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
Sums	6·4	8·7	12·8	16·0	11·0	14·4	**17·9**	12·4	11·9	8·2	5·2	8·8	4·1	4·9	7·4	10·6	9·8	9·6	15·5	15·0	8·8	8·9	7·0	8·0	243·3	182·0
Total Duration.	hr. 6·8	hr. 7·7	hr. 9·9	hr. 10·5	hr. 9·3	hr. 10·1	hr. **12·7**	hr. 8·8	hr. 9·8	hr. 7·2	hr. 6·2	hr. 5·0	hr. 4·6	hr. 4·4	hr. 5·5	hr. 6·7	hr. 4·3	hr. 7·5	hr. 9·4	hr. 10·5	hr. 7·3	hr. 7·2	hr. 6·0	hr. 5·5	hr. 182·9	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

167. Eskdalemuir : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 242·0 metres + 0·4 metres. **November, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·4	...	...	...	...	...	...	...	...	...	0·8	1·0
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·8	1·7	1·9	1·8	6·5	5·0
3	2·0	2·4	2·0	2·4	2·1	2·8	1·8	4·6	2·0	...	...	·1	1·1	·2	·2	·6	...	·3	1·7	·1	·1	1·8	·2	·1	28·6	15·7
4	·2	·2	·4	2·6	1·1	...	1·5	1·2	...	·4	·2	·8	2·7	...	·1	·7	·9	·2	2·8	·2	·1	·4	...	...	16·7	10·8
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	·2	1·0	3·8	2·2	·2	·3	·1	...	·8	...	·2	...	...	...	...	...	...	...	...	...	...	8·8	5·3
9	...	...	...	...	...	...	...	...	...	·4	·2	·3	·3	·3	...	...	...	...	...	·1	...	...	...	...	1·6	4·3
10	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
11	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·1	·6	·4	·5	·3	·2	·2	1·5	·6	4·5	6·7
12	·2	...	...	·1	...	·1	·8	1·2	1·0	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	3·7	6·7
13	·1	1·8	3·2	2·2	2·2	1·3	2·4	2·7	1·2	1·5	1·1	2·3	1·5	·9	·6	·8	1·0	2·6	1·5	1·8	1·6	1·4	·4	·1	**36·2**	**22·5**
14	·1	·7	...	...	...	...	...	...	·1	1·3	1·0	1·6	·4	...	...	...	...	...	...	...	...	...	...	·1	5·3	5·7
15	...	...	...	...	...	...	...	...	·1	·1	·5	2·0	3·7	4·4	2·6	·2	...	...	...	...	...	...	...	·4	14·0	7·7
16	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	3·3	2·8	...	8·2	3·1
17	...	...	·4	...	...	·1	1·6	·6	·5	...	...	...	...	...	...	...	1·0	1·3	1·2	·6	·4	·2	...	...	7·9	7·3
18	·9	1·6	...	·3	·4	·3	·6	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·1	4·2
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	·2	·4	...	...	...	...	·5	...	...	...	...	·2	·6	1·9	(3·0)
21	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4
22	...	...	...	...	·3	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·2
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	·1	...	·5	·5	...	...	...	...	...	...	...	...	...	1·1	2·5
26	·2	·2	·2	·4	·4	·1	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	5·4
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	0·3	(1·8)
29	...	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	(1·6)
30	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	·2	·7	·2	·7	·9	2·8	(5·0)
Sum.	4·4	6·9	6·2	8·2	7·5	8·5	11·0	**11·6**	5·4	4·1	3·3	8·7	10·3	7·0	4·4	2·4	3·5	5·3	7·7	3·6	5·6	9·2	7·7	4·6	157·1	127·1
Total Duration.	hr. 5·2	hr. 5·9	hr. 4·4	hr. 5·1	hr. 4·6	hr. 5·4	hr. 5·8	hr. 6·0	hr. 5·7	hr. 5·8	hr. 5·2	hr. **7·6**	hr. 6·7	hr. 5·7	hr. 4·1	hr. 3·1	hr. 3·5	hr. 3·9	hr. 4·8	hr. 6·0	hr. 5·2	hr. 6·2	hr. 4·9	hr. 6·3	hr. 127·1	

168. Eskdalemuir : H_r = 242·0 metres + 0·4 metres. **December, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm	mm.	mm	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·9	·4	·2	·2	·1	...	...	...	...	...	...	...	...	·4	·6	·1	...	1·7	·5	·2	·2	·2	·2	·4	6·3	13·0
2	...	·6	1·6	3·4	1·5	·7	·1	...	...	·3	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	8·4	6·1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	·2	·6	·2	·6	·5	·8	1·1	·8	·8	·6	·1	...	...	...	...	...	6·3	10·2
5	...	...	...	...	...	...	...	...	...	·2	·2	·4	·2	·2	...	...	·4	·5	·1	...	...	...	...	...	2·2	4·6
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	·1	...	...	...	...	...	...	·2	1·6	1·6	1·2	1·7	1·4	·7	1·4	·7	2·1	1·1	13·8	10·4
8	...	·7	·2	1·6	1·8	·4	·6	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·5	(5·2)
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·8	·5	1·9	2·7
10	1·0	1·6	·8	·7	·2	...	·2	...	·2	·5	·1	·4	·5	·4	...	...	...	·1	...	...	...	...	·3	·2	7·2	11·9
11	·4	·4	...	...	·2	·2	·1	...	...	·1	...	·2	·1	...	·1	...	...	·1	·4	·4	...	...	·7	1·0	4·4	10·8
12	·4	·5	·4	·3	·5	·2	·5	·3	·9	·5	·3	·3	·6	·4	·7	1·1	·7	·8	·7	·7	1·6	1·3	1·5	1·5	**16·7**	**24·0**
13	2·4	·3	1·8	3·1	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·1	6·5
14	...	...	...	...	...	...	...	...	...	·1	·2	1·4	·6	·8	·6	1·0	1·3	·5	·1	...	...	...	...	...	6·6	8·0
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	0·2	0·8
16	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4
17	...	...	·1	·1	...	...	·1	·1	·2	...	...	...	...	...	·2	1·5	1·7	·8	·7	·8	...	...	...	...	6·3	8·3
18	·2	...	·2	·4	...	...	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	2·1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	(·1)	(...)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
21	...	...	...	...	...	...	...	...	(·1)	(...)	...	...	...	...	·2	·5	·6	·1	·1	·7	·2	·5	·8	1·0	4·8	7·9
22	1·3	1·0	1·2	·8	·1	·3	...	·1	·4	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·3	6·5
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	·1	...	...	·4	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	0·9	1·5
25	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	2·5	1·8	·9	1·8	1·3	1·3	1·6	·9	·2	...	13·3	9·3
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·9	·2	1·3	2·9
27	·3	·2	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·1	·1	...	...	...	1·3	(6·2)
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·4	1·2	·5	1·1	·9	5·6	6·0
30	1·8	·4	·1	·3	·3	·3	·5	·6	1·2	·6	·5	·3	·1	·4	·2	·2	...	1·6	1·2	·6	·3	...	...	...	11·5	19·0
31	...	...	...	...	...	...	...	...	...	...	·8	1·7	2·4	·9	1·0	·5	·4	·3	1·1	·1	·1	...	...	...	9·3	10·8
Sum.	8·7	6·2	6·8	**11·0**	4·9	2·4	2·7	1·4	3·6	3·2	2·3	5·3	5·0	5·5	8·8	9·5	8·0	10·9	8·1	7·0	6·7	5·2	8·4	6·9	148·8	195·1
Total Duration.	hr. 8·2	hr. 9·0	hr. 9·1	hr. 8·8	hr. 8·2	hr. 7·1	hr. 6·9	hr. 4·0	hr. 6·1	hr. 6·8	hr. 5·8	hr. 6·5	hr. 6·9	hr. 8·3	hr. 9·4	hr. 10·0	hr. 8·5	hr. **11·5**	hr. 10·6	hr. 9·6	hr. 8·3	hr. 7·8	hr. 8·6	hr. 9·1	hr. 195·1	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

DURATION OF BRIGHT SUNSHINE.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

169. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **January, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time. G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	—	·1	1·0	1·0	1·0	1·0	·1	...	...	—	—	—	—	—	4·2	59	12 16	56	4·87	Ci.-St.
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
3	—	—	—	—	—	...	...	...	·4	·2	...	...	...	...	—	—	—	—	0·6	8	...	—	...	...
4	—	—	—	—	—	·3	1·0	1·0	1·0	·9	·5	·6	...	—	—	—	—	—	5·3	74	...	...	...	...
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
6	—	—	—	—	—	·4	·2	·3	·3	...	·1	...	...	—	—	—	—	—	1·3	18	...	...	...	...
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
8	—	—	—	—	—	...	·3	1·0	1·0	·9	1·0	·4	...	—	—	—	—	—	4·6	63	...	...	...	...
9	—	—	—	—	—	...	...	·2	·1	...	...	...	...	—	—	—	—	—	0·3	4	...	...	...	...
10	—	—	—	—	—	...	·1	·8	1·0	·1	...	...	...	—	—	—	—	—	2·0	27	...	...	...	...
11	—	—	—	—	—	·2	·6	1·0	1·0	·3	1·0	·8	...	—	—	—	—	—	4·9	66	...	...	...	...
12	—	—	—	—	—	...	...	·3	·9	1·0	1·0	1·0	·1	—	—	—	—	—	4·3	58	...	...	...	...
13	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
14	—	—	—	—	—	...	·7	·9	1·0	1·0	1·0	·7	...	—	—	—	—	—	5·3	70	...	...	...	...
15	—	—	—	—	—	...	·6	·2	...	...	...	·2	...	—	—	—	—	—	1·0	13	...	...	...	...
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
17	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
18	—	—	—	—	—	·4	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	—	6·1	79	...	...	...	...
19	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
20	—	—	—	—	—	·6	1·0	1·0	1·0	1·0	1·0	·9	·1	—	—	—	—	—	**6·6**	**84**	...	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	·1	...	—	—	—	—	—	0·1	1	...	...	...	...
22	—	—	—	—	—	...	·1	·5	·2	...	...	...	...	—	—	—	—	—	0·8	10	...	...	...	...
23	—	—	—	—	—	...	...	...	...	·3	...	...	...	—	—	—	—	—	0·3	4	...	...	...	...
24	—	—	—	—	—	...	...	·1	...	...	...	·2	...	—	—	—	—	—	0·3	4	...	...	...	...
25	—	—	—	—	...	...	...	...	...	·3	·1	...	...	...	—	—	—	—	0·4	5	...	...	...	...
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
27	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
30	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
31	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
Sum.	—	—	—	—	...	2·0	6·6	9·3	**9·9**	8·0	6·8	5·6	0·2	...	—	—	—	—	48·4	—	—	—	—	—
Mean.	—	—	—	—	...	·06	·21	·30	**·32**	·26	·22	·18	·01	...	—	—	—	—	1·56	20	—	—	—	—

170. Eskdalemuir : h_S = 1·5 metres. **February, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
2	—	—	—	—	...	...	...	...	...	·2	·5	·2	...	...	—	—	—	—	0·9	10	...	...	...	...
3	—	—	—	—	...	...	·5	·2	·2	·2	...	·9	...	...	—	—	—	—	2·0	23	...	...	...	...
4	—	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	·9	1·0	·9	...	—	—	—	—	**7·9**	**90**	...	...	...	...
5	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
6	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
9	—	—	—	—	...	...	...	...	...	·4	1·0	·8	·4	...	—	—	—	—	2·6	29	...	...	...	...
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
11	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
12	—	—	—	—	...	...	...	...	·1	...	...	...	...	...	—	—	—	—	0·1	1	...	...	...	...
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
15	—	—	—	—	...	...	·5	·6	·6	·1	...	...	...	...	—	—	—	—	1·8	19	...	...	...	...
16	—	—	—	—	...	...	...	...	...	...	...	·1	·3	...	—	—	—	—	0·4	4	...	...	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
18	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
19	—	—	—	—	...	...	...	...	...	·9	·6	...	...	...	—	—	—	—	1·5	15	...	...	...	...
20	—	—	—	—	...	...	...	·8	1·0	·9	·4	...	·2	·1	—	—	—	—	3·4	34	...	...	...	...
21	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
22	—	—	—	—	·1	·6	·3	·3	...	...	...	·1	·4	...	—	—	—	—	1·8	18	...	...	...	...
23	—	—	—	...	...	·5	·9	1·0	·9	1·0	·3	·3	·7	·4	...	—	—	—	6·0	59	...	...	...	...
24	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
25	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
26	—	—	—	...	...	...	...	...	...	...	...	·2	·1	...	...	—	—	—	0·3	3	...	...	...	...
27	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
28	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
Sum.	—	—	—	...	0·2	2·1	3·2	3·9	3·8	**4·7**	3·7	3·6	3·0	0·5	...	—	—	—	28·7	—	—	—	—	—
Mean.	—	—	—	...	·01	·07	·11	·14	·14	**·17**	·13	·13	·11	·02	...	—	—	—	1·03	11	—	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.	Time. G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
																					Radiation by Ångström Pyrheliometer.			

For periods of sixty minutes, between the exact hours of Local Apparent Time.

171. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **March, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
2	—	—	—	...	...	...	...	...	·4	·2	...	...	...	...	...	—	—	—	0·6	6	...	...	...	...
3	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
4	—	—	—	...	...	...	·7	·1	·8	·5	·8	...	...	...	...	—	—	—	2·9	27	...	...	...	...
5	—	—	—	...	...	...	...	...	...	...	·6	·4	...	...	...	—	—	—	1·0	9	...	...	...	...
6	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
7	—	—	—	...	...	...	·2	·2	...	·1	...	...	...	...	...	—	—	—	0·5	5	...	...	...	...
8	—	—	—	...	...	...	...	...	...	...	·2	...	...	...	...	—	—	—	0·2	2	...	...	...	...
9	—	—	—	...	...	·2	·2	·3	...	·1	·4	...	...	...	...	—	—	—	1·2	11	...	...	...	...
10	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
11	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
12	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
13	—	—	—	...	...	·5	1·0	1·0	·7	·9	·5	·5	·5	·2	...	—	—	—	5·8	50	...	...	...	...
14	—	—	—	...	·4	1·0	1·0	·9	...	...	...	·3	·2	...	...	—	—	—	3·8	33	...	...	...	...
15	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
16	—	—	—	...	...	...	·1	·2	·5	·8	·4	1·0	1·0	·5	...	—	—	—	4·5	38	...	...	...	...
17	—	—	—	...	·2	·3	1·0	·9	·4	·2	·6	1·0	·9	·5	...	—	—	—	6·0	51	...	...	...	...
18	—	—	—	·2	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	8·9	75	...	...	...	...
19	—	—	—	...	...	...	·7	·5	·9	1·0	1·0	·7	·2	·5	...	—	—	—	5·5	46	...	...	...	...
20	—	—	—	...	...	·2	...	...	·7	·3	·8	1·0	1·0	1·0	...	—	—	—	5·0	42	...	...	...	...
21	—	—	...	...	...	...	...	·7	1·0	1·0	1·0	1·0	1·0	·7	...	...	—	—	6·4	53	...	...	...	...
22	—	—	...	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	9·6	79	12 8	78	1·72	Slight haze.
23	—	—	...	·4	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	...	—	—	**10·1**	**82**	...	...	...	...
24	—	—	...	...	...	...	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	—	—	7·0	57	12 6	71	1·71	haze.
25	—	—	...	...	·2	1·0	·5	...	·1	·3	·5	·7	...	·1	...	...	—	—	3·4	27	...	...	...	...
26	—	—	...	...	·9	1·0	1·0	1·0	·9	·8	·9	·5	...	...	...	...	—	—	7·0	56	...	...	...	...
27	—	—	...	...	...	...	·2	·2	...	·2	·6	·5	·1	...	...	...	—	—	1·8	14	...	...	...	...
28	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
29	—	—	...	...	...	·7	1·0	1·0	1·0	1·0	·9	·6	·7	...	...	...	—	—	6·9	54	12 15	76	1·63	Clear.
30	—	—	...	...	...	·8	·5	·2	·2	·1	·6	·8	·7	...	...	...	—	—	3·9	30	...	...	...	...
31	—	—	·1	·3	...	·7	·1	...	...	...	...	...	...	...	...	...	—	—	1·2	9	...	...	...	...
Sum.	—	—	0·1	0·9	2·8	9·3	11·2	11·0	11·6	11·5	**13·8**	13·0	10·3	7·0	0·7	...	—	—	103·2	—	—	—	—	—
Mean.	—	—	·00	·03	·09	·30	·36	·35	·37	·37	**·45**	·42	·33	·23	·02	—	—	—	3·33	28	—	—	—	—

172. Eskdalemuir : h_S = 1·5 metres. **April, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
2	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
3	—	—	...	...	...	·5	1·0	1·0	·6	·6	·7	·7	·3	·2	...	...	—	—	5·6	43	...	...	...	...
4	—	—	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	—	—	0·1	1	...	...	...	...
5	—	—	...	...	...	...	·3	·4	·9	·4	...	...	...	...	...	...	...	—	2·0	15	...	...	...	...
6	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
7	—	—	...	...	...	...	...	...	...	·3	·2	·2	·4	·2	...	...	—	—	1·3	10	...	...	...	...
8	—	—	...	...	·5	·4	·9	·8	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	9·4	70	...	...	...	...
9	—	—	...	...	...	...	·1	...	...	·4	·5	·7	·5	·4	·3	...	—	—	2·9	21	...	...	...	...
10	—	—	...	...	...	...	·3	·4	·2	·4	·2	·1	·1	...	...	...	—	—	1·7	12	...	...	...	...
11	—	—	...	...	·1	...	·2	·8	1·0	·2	·7	7·	·5	·7	·4	...	—	—	5·3	39	...	...	...	...
12	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
13	—	—	...	...	...	...	...	...	·6	·5	·1	·1	·4	·2	...	...	—	—	1·9	14	...	...	...	...
14	—	—	...	·3	...	·3	...	...	...	...	...	...	...	...	...	...	—	—	0·6	4	...	...	...	...
15	—	—	·2	1·0	1·0	1·0	1·0	1·0	·7	·9	1·0	·8	·4	·5	...	...	—	—	9·5	68	...	...	...	...
16	—	—	...	...	...	...	...	·1	·2	·6	·4	·7	·8	·5	·2	...	—	—	3·5	25	...	...	...	...
17	—	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	·2	·5	...	...	—	9·5	67	12 17	75	1·42	Cu.
18	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
19	—	...	...	...	...	·8	·1	...	...	...	...	...	...	...	...	...	...	—	0·9	6	...	...	...	...
20	—	...	·2	1·0	·9	·1	...	·1	...	·4	·2	·4	·9	·9	1·0	·5	...	—	6·6	46	...	...	...	...
21	—	...	...	...	...	...	·2	·6	·9	·7	·4	·4	·5	·6	...	...	...	—	4·3	30	...	...	...	...
22	—	...	...	...	...	·5	·9	·9	1·0	·7	·5	·3	·1	...	·3	·7	...	—	5·9	41	...	...	...	...
23	—	...	...	...	...	...	...	...	...	...	·1	·4	·5	·5	·7	·2	...	—	2·4	16	...	...	...	...
24	—	...	1·0	1·0	1·0	1·0	1·0	·9	·9	·1	·6	1·0	1·0	1·0	·4	...	...	—	**10·9**	**74**	...	...	...	...
25	—	...	...	...	·9	·9	·8	1·0	·8	1·0	·3	·7	·4	·6	...	...	...	—	7·4	50	...	...	...	...
26	—	...	·1	·4	·4	·1	·5	·9	·9	·7	·5	...	·1	·5	1·0	·4	...	—	6·5	44	...	...	...	...
27	—	...	1·0	1·0	1·0	1·0	1·0	·9	·7	·4	·8	·2	·2	·3	·1	...	...	—	8·6	58	...	...	...	...
28	—	...	·7	1·0	·9	·5	·1	·2	...	...	...	·3	·7	·4	·2	...	...	—	5·0	33	...	...	...	...
29	—	...	·7	1·0	1·0	1·0	1·0	·4	·4	·5	·6	·1	·4	·1	...	...	...	—	7·2	48	...	...	...	...
30	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
Sum.	—	...	3·9	7·3	8·7	9·1	10·5	11·4	**11·8**	10·8	9·8	9·7	9·5	8·8	5·9	1·8	...	—	119·0	—	—	—	—	—
Mean	—	...	·13	·24	·29	·30	·35	·38	**·39**	·36	·33	·32	·32	·29	·20	·06	...	—	3·97	28	—	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

DURATION OF BRIGHT SUNSHINE.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

173. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **May, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	...	·3	·9	·5	·1	·3	...	·2	...	·5	...	·8	·3	·2	·1	...	—	4·2	28	...	...	...	...
2	—	...	...	...	·4	·5	·9	·4	·4	·4	·6	·2	·2	·6	·2	...	...	—	4·8	32	...	...	...	...
3	—	...	...	...	·6	1·0	1·0	1·0	1·0	·5	·9	...	1·0	1·0	·9	·9	...	—	9·8	64	...	...	...	...
4	—	...	...	...	...	...	...	·4	·3	...	·2	...	...	...	...	...	...	—	0·9	6	...	...	...	...
5	—	...	...	...	...	...	...	·9	1·0	·6	·4	...	·7	1·0	·8	...	...	—	5·4	35	...	...	...	...
6	—	...	·1	...	·4	...	...	...	·6	...	...	·1	·1	...	...	...	...	—	1·3	8	...	...	...	...
7	—	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·9	·8	·7	·2	·2	...	—	10·7	69	...	...	...	...
8	—	...	...	...	...	·1	·1	·9	·5	·9	·5	·8	1·0	·8	1·0	·6	·3	—	7·5	48	...	...	...	...
9	—	...	...	...	...	...	...	·5	·4	·4	·3	·6	·4	·5	...	...	...	—	3·1	20	...	...	...	...
10	—	·3	·9	1·0	1·0	1·0	1·0	·9	...	...	...	...	...	...	...	...	...	—	6·1	39	...	...	...	...
11	—	...	...	...	·5	·3	·4	...	·1	...	·1	...	...	...	...	...	...	—	1·4	9	...	...	...	...
12	—	·1	·8	1·0	·1	·1	1·0	1·0	·9	·3	·3	·9	1·0	1·0	1·0	·6	...	—	10·1	64	...	...	...	...
13	—	...	...	...	...	...	·1	·8	·6	·8	·5	·5	...	·4	·5	...	...	—	4·2	26	...	...	...	...
14	—	·1	...	...	...	...	·1	...	·6	·5	·5	·6	·1	...	...	...	...	—	2·5	16	...	...	...	...
15	—	...	...	...	·4	...	·3	·9	·6	·2	·8	1·0	1·0	·7	·7	·1	...	—	6·7	42	...	...	...	...
16	...	...	...	·3	...	·2	...	·2	·5	1·0	·1	·3	·7	·2	...	...	...	...	3·5	22	...	...	...	...
17	...	·9	1·0	·5	·6	...	·1	...	·2	·6	1·0	·2	·9	·3	·3	·2	...	...	6·8	42	...	...	...	...
18	...	...	...	...	·7	·1	·2	·1	·2	...	...	...	...	...	...	...	...	...	1·3	8	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	·2	·2	·2	·7	·3	·1	...	·6	1·0	1·0	·6	·2	...	...	5·1	31	...	...	...	...
22	...	...	...	·8	·9	·9	·7	·5	·4	...	...	...	...	...	...	...	...	...	4·2	26	...	...	...	...
23	...	...	·7	1·0	1·0	1·0	·4	·2	...	·5	·3	·6	·5	·8	...	...	...	...	7·0	42	...	...	...	...
24	...	...	·7	1·0	1·0	·9	·4	·6	·3	...	...	·1	...	...	...	...	...	...	5·0	30	...	...	...	...
25	...	...	·1	·1	·3	·7	·9	·6	·5	·6	·5	·7	·9	·6	·7	1·0	·3	...	8·5	51	...	...	...	...
26	...	...	·9	·8	·5	·7	·6	·2	·6	·7	·5	·5	·1	·5	·1	...	...	...	6·7	40	...	...	...	...
27	...	...	...	·3	·5	·8	·6	·5	1·0	·5	·1	·6	1·0	·3	...	...	...	...	6·2	37	...	...	...	...
28	...	...	·1	·4	·3	·4	·3	·1	...	...	...	...	·2	1·0	·3	·2	...	...	3·3	20	...	...	...	...
29	...	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	0·8	...	...	...	**12·1**	**72**	12 12	86	1·20	Clear
30	...	...	...	...	...	·1	·1	...	...	...	·1	...	...	·1	...	...	...	...	0·4	2	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	...	1·4	5·9	10·1	11·9	11·1	11·7	**13·4**	13·2	10·6	10·1	10·2	**13·4**	12·8	8·3	4·1	0·6	...	148·8	—	...	...	...	...
Mean.	...	0·5	·19	·33	·39	·36	·38	**·43**	·43	·34	·33	·33	**·43**	·41	·27	·13	·02	...	4·80	30	...	...	...	...

174. Eskdalemuir : h_S = 1·5 metres. **June, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	...	...	...	...	...	...	·2	1·0	·4	·8	·3	...	...	...	·2	...	...	...	2·9	17	...	...	...	...
2	...	...	...	...	...	·4	1·0	1·0	1·0	1·0	·6	·8	·9	1·0	1·0	·7	...	...	9·4	55	...	...	...	...
3	...	...	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	4	...	...	...	...
4	...	...	·3	·1	·2	·2	·2	...	·2	·3	·2	...	...	...	...	...	...	...	1·7	10	...	...	...	...
5	...	·4	1·0	1·0	·5	·6	·2	...	·1	...	...	...	...	...	...	...	...	...	3·8	22	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	·1	·5	·8	·1	...	...	...	...	1·5	9	...	...	...	...
7	...	...	...	...	...	...	...	·2	...	...	·3	·7	·6	·8	·1	...	...	...	2·7	16	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	·8	·5	·2	...	...	...	...	...	...	...	...	...	1·5	9	...	...	...	...
10	...	...	·1	·2	...	·1	·1	·1	·5	·3	·5	·5	·8	·9	·7	·2	...	...	5·0	29	...	...	...	...
11	...	·8	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	·8	·9	1·0	1·0	1·0	1·0	·3	...	**14·5**	**84**	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	·4	·5	·6	·3	·9	·6	·1	·2	...	...	...	...	...	...	...	3·6	21	...	...	...	...
14	...	·2	1·0	1·0	·9	·9	1·0	1·0	1·0	1·0	·9	·9	·4	·9	·5	...	...	...	11·6	67	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	0·2	1	...	...	...	...
16	...	...	...	·1	·8	·3	·2	·1	...	...	·1	·1	...	...	...	...	...	...	1·7	10	...	...	...	...
17	...	...	1·0	1·0	1·0	1·0	1·0	·7	·8	·3	...	·1	·1	·3	...	...	...	...	7·3	42	...	...	...	...
18	...	...	...	...	...	...	...	...	·2	1·0	·7	1·0	1·0	1·0	·5	...	...	...	5·4	31	...	...	...	...
19	...	·2	·9	1·0	1·0	·6	·5	1·0	·7	·2	·3	·4	...	·1	·7	·2	...	...	7·8	45	...	...	...	...
20	...	·7	·6	...	·5	1·0	·8	1·0	·9	·9	·7	·3	...	...	·1	·4	...	...	7·9	45	...	...	...	...
21	...	...	...	...	...	...	·1	·3	...	...	...	·2	...	...	...	...	...	...	0·6	3	...	...	...	...
22	...	...	...	...	...	...	...	...	·7	·3	...	·1	·2	·3	...	...	...	...	1·6	9	...	...	...	...
23	...	...	...	...	...	·9	1·0	1·0	·9	·8	·6	1·0	1·0	·9	·3	...	...	...	8·4	48	...	...	...	...
24	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	0·2	1	...	...	...	...
25	...	...	...	·8	·7	·8	1·0	·8	·1	·1	·1	·6	·2	·2	...	...	...	...	5·4	31	...	...	...	...
26	...	...	·4	1·0	·9	·6	·7	·7	1·0	·9	1·0	·7	·4	·2	·1	...	...	...	8·6	50	...	...	...	...
27	...	...	...	...	...	·2	·9	·8	·2	·8	·3	...	...	...	...	...	...	...	3·2	18	...	...	...	...
28	...	...	...	...	...	·3	1·0	·5	·6	1·0	1·0	1·0	·9	·6	·9	·5	...	...	8·3	48	...	...	...	...
29	...	...	·6	1·0	·9	·9	·7	1·0	1·0	·8	1·0	1·0	1·0	1·0	·9	...	...	...	11·8	68	...	...	...	...
30	...	...	...	...	...	·2	·7	·5	...	...	...	...	...	...	...	·2	·1	...	1·7	10	...	...	...	...
Sum.	...	2·3	7·3	8·5	8·9	10·6	13·4	**14·1**	12·1	11·8	9·7	10·8	9·3	9·3	7·1	3·3	0·4	...	138·9	—	...	...	...	...
Mean.	...	·08	·24	·28	·30	·35	·45	**·47**	·40	·39	·32	·36	·31	·31	·24	·11	·01	...	4·63	27	...	...	...	...

Hour L A T	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

175. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **July, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time. G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	...	...	...	...	...	...	...	...	...	...	...	·2	·4	·8	...	...	...	...	1·4	8	...	...	...	...
2	...	...	...	...	...	...	·3	·3	...	...	...	...	...	...	...	...	...	...	0·6	3	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	·2	...	·1	...	...	...	...	0·3	2	...	...	...	...
4	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	1	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	...	0·6	3	...	...	...	...
6	...	...	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	·6	·1	...	...	9·7	56	...	...	...	...
7	...	...	...	·1	·1	·5	·8	...	...	...	...	...	...	...	...	...	...	...	1·5	9	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	·2	·6	·8	1·0	1·0	·9	·2	...	4·7	27	...	...	...	...
9	...	...	...	...	...	...	...	...	·5	·9	1·0	·8	·3	·6	1·0	·3	...	...	5·4	32	...	...	...	...
10	...	...	...	...	...	...	...	...	·2	1·0	·7	·1	·2	...	...	...	...	...	2·2	13	...	...	...	...
11	...	...	...	...	·6	...	·8	·3	·8	·6	·8	·9	·3	·7	·7	·4	...	...	6·9	41	...	...	...	...
12	...	...	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	12·3	73	...	...	...	...
13	...	...	...	·5	1·0	1·0	·5	·9	1·0	1·0	1·0	1·0	1·0	1·0	·6	·1	...	...	10·6	63	...	...	...	...
14	...	...	...	...	·7	1·0	·6	...	·8	·6	·6	...	...	...	...	...	...	...	4·3	25	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	·5	·1	·5	·5	·9	·5	·7	...	·5	·1	...	...	...	...	4·3	26	...	...	...	...
17	...	...	·1	·1	·8	·1	·5	·5	·3	·2	·9	·9	·4	·8	·1	·2	...	...	5·9	35	...	...	...	...
18	...	...	·4	·7	·1	...	...	·1	...	...	...	...	·1	·8	1·0	·2	...	...	3·4	20	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	...	...	...	...	0·6	4	...	...	...	...
20	...	...	·1	·4	·8	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	...	...	...	...	...	8·2	49	...	...	...	...
21	...	...	...	·3	·5	1·0	·5	·6	1·0	·6	·6	...	...	...	...	...	...	...	5·1	31	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	·2	·9	1·0	1·0	·4	...	...	...	·1	...	...	...	3·6	22	...	...	...	...
24	...	...	...	·3	·7	1·0	1·0	1·0	1·0	...	·3	·3	...	...	...	...	...	...	5·6	34	...	...	...	...
25	...	...	...	·1	·1	·4	...	...	...	·2	·8	1·0	1·0	·7	·7	·4	·1	...	5·5	34	...	...	...	...
26	...	...	·1	·5	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	...	**12·3**	**75**	...	...	...	...
27	...	·2	·8	·4	·5	·7	·5	·1	·5	·8	·9	·6	·8	1·0	...	...	...	...	7·8	48	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	·7	1·0	1·0	·7	·3	·3	·3	·7	·5	·3	·2	...	...	...	...	6·0	37	...	...	...	...
31	—	...	...	...	...	...	...	...	...	·2	...	...	·1	·3	...	...	...	—	0·6	4	...	...	...	...
Sum.	...	0·2	1·5	4·7	9·7	10·8	10·9	9·5	12·3	11·9	**13·6**	11·0	9·0	10·4	7·8	4·6	1·6	...	129·5	—	—	—	—	—
Mean.	...	·01	·05	·15	·31	·35	·35	·31	·40	·39	**·44**	·35	·29	·34	·25	·15	·05	...	4·18	25	—	—	—	—

176. Eskdalemuir : h_S = 1·5 metres. **August, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	...	·3	·2	...	·1	·2	·7	·7	1·0	·9	1·0	·6	...	·1	·6	·4	—	6·8	43	...	...	...	...
2	—	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	—	0·3	2	...	...	...	...
3	—	...	...	...	...	...	...	...	...	·9	·6	·9	·4	·9	·6	...	...	—	4·3	27	...	...	...	...
4	—	·4	1·0	·8	·2	·4	·5	1·0	1·0	1·0	1·0	·6	·7	·2	·4	...	...	—	9·2	58	...	...	...	...
5	—	...	...	...	...	·1	·4	1·0	1·0	1·0	·6	·3	...	...	...	...	...	—	4·4	28	...	...	...	...
6	—	...	·1	...	·2	·1	·8	·8	·4	...	...	...	...	...	...	...	...	—	2·4	15	...	...	...	...
7	—	...	...	...	...	...	...	...	...	...	...	...	·1	...	·3	·4	...	—	0·8	5	...	...	...	...
8	—	...	·2	1·0	1·0	1·0	·8	...	...	...	...	...	...	...	...	...	...	—	4·0	26	...	...	...	...
9	—	...	...	...	...	...	·3	·8	1·0	·3	·5	·6	·8	·5	·6	·1	...	—	5·5	36	...	...	...	...
10	—	...	·1	·2	·4	·4	·6	·2	...	·2	...	·6	·9	·9	·2	·4	...	—	5·1	33	...	...	...	...
11	—	...	...	·3	·7	·9	·1	·2	·8	·4	·5	·8	·5	·4	·8	·2	...	—	6·6	43	...	...	...	...
12	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
13	—	...	...	...	...	...	...	...	...	...	...	·2	...	·6	1·0	1·0	...	—	2·8	18	...	...	...	...
14	—	...	...	...	...	...	...	·5	·9	·1	·1	·1	...	...	...	...	...	—	1·7	11	...	...	...	...
15	—	...	·1	·9	·8	·5	·4	1·0	1·0	·6	·7	1·0	1·0	1·0	1·0	·3	...	—	**10·3**	**69**	...	...	...	...
16	—	...	...	...	...	·2	·3	·6	·3	·1	·4	·1	...	·3	...	...	...	—	2·3	15	...	...	...	...
17	—	...	...	...	...	...	...	...	·3	...	...	·2	...	·1	...	...	...	—	0·6	4	...	...	...	...
18	—	...	...	...	...	...	·2	·9	·4	...	·1	...	...	...	...	...	...	—	1·6	11	...	...	...	...
19	—	...	...	...	...	...	...	...	·3	·1	...	·4	·2	...	...	...	...	—	1·0	7	...	...	...	...
20	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
21	—	...	...	...	...	...	...	...	...	·2	·1	·5	·5	1·0	·8	...	...	—	3·1	21	...	...	...	...
22	—	...	...	...	...	·1	·2	·7	·7	·6	·5	·2	·6	·7	...	·2	...	—	4·5	31	...	...	...	...
23	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
24	—	...	...	·6	1·0	1·0	·9	·3	·5	·4	·5	...	...	·2	...	...	...	—	5·4	38	...	...	...	...
25	—	...	...	...	·2	...	·1	·6	...	·1	...	...	...	...	...	...	...	—	1·0	7	...	...	...	...
26	—	...	...	...	...	·1	·7	·4	·8	·7	·6	...	·3	...	...	...	...	—	3·6	25	...	...	...	...
27	—	...	...	·1	·4	·3	·9	·9	·4	·7	·7	·2	...	...	...	...	...	—	4·6	32	...	...	...	...
28	—	...	...	...	·1	...	·1	·4	·3	·9	·7	1·0	1·0	1·0	·5	·1	...	—	6·1	43	...	...	...	...
29	—	—	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	—	—	0·1	1	...	...	...	...
30	—	—	...	...	...	...	...	·3	·8	·5	·8	·8	1·0	·6	·4	·2	—	—	5·4	39	...	...	...	...
31	—	—	...	...	·1	·6	·4	·5	·3	·3	·1	·1	...	...	...	...	—	—	2·4	17	...	...	...	...
Sum.	—	0·4	1·8	4·1	5·1	5·8	8·0	11·8	**11·9**	10·1	9·4	9·9	8·6	8·4	6·7	3·5	0·4	—	105·9	—	—	—	—	—
Mean.	—	·01	·06	·13	·16	·19	·26	·38	**·38**	·33	·30	·32	·28	·27	·22	·11	·01	—	3·42	23	—	—	—	—

Hour. L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time. G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

177. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **September, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_o sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	...	...	·1	·7	·8	·6	·3	·4	·8	·4	·1	·4	...	...	—	—	4·6	33	...	...	...	...
2	—	—	...	·3	1·0	1·0	·4	·4	·9	·9	1·0	1·0	1·0	1·0	1·0	·3	—	—	**10·2**	**74**	...	...	...	...
3	—	—	...	·2	·3	·6	·9	·4	...	...	...	...	...	...	...	...	—	—	2·4	18	...	...	...	...
4	—	—	...	...	·4	1·0	1·0	1·0	1·0	1·0	·9	·7	·4	...	...	...	—	—	7·4	54	...	...	...	...
5	—	—	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	—	—	0·1	1	...	...	...	...
6	—	—	...	...	...	...	...	...	...	·1	·2	·1	...	...	...	...	—	—	0·4	3	...	...	...	...
7	—	—	...	·2	1·0	1·0	1·0	·8	·9	·9	·4	·4	·9	·8	·6	...	—	—	8·9	67	...	...	...	...
8	—	—	...	...	...	·1	·2	·8	·3	·2	·2	·3	·1	...	...	...	—	—	2·2	17	...	...	...	...
9	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
10	—	—	...	·1	1·0	·6	·8	·8	·4	·7	·6	1·0	1·0	·8	...	...	—	—	7·8	59	...	...	...	...
11	—	—	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	—	—	0·3	2	...	...	...	...
12	—	—	...	...	...	...	...	·4	·9	·9	·8	·3	...	...	...	...	—	—	3·3	25	...	...	...	...
13	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
14	—	—	...	...	·8	·6	·4	·8	·9	·8	·9	·9	·4	·4	...	...	—	—	6·9	54	...	...	...	...
15	—	—	...	·1	·2	·3	...	...	...	·4	·7	·5	·6	·2	·1	...	—	—	3·1	24	...	...	...	...
16	—	—	...	...	·3	·3	·4	·9	1·0	·5	·9	·8	1·0	·7	·1	...	—	—	6·9	54	...	...	...	...
17	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
18	—	—	...	...	...	...	·6	·9	·8	·9	·4	·9	·2	·1	·2	...	—	—	5·0	40	...	...	...	...
19	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
20	—	—	...	...	...	·1	·5	1·0	1·0	1·0	1·0	1·0	·9	·3	...	...	—	—	6·8	55	...	...	...	...
21	—	—	...	...	...	...	...	...	...	...	·1	·9	1·0	1·0	·6	...	—	—	3·6	29	...	...	...	...
22	—	—	...	...	·7	·5	·8	1·0	·7	·1	·6	·6	...	...	...	...	—	—	5·0	41	...	...	...	...
23	—	—	...	...	...	...	·9	·5	...	·2	...	·1	...	...	...	...	—	—	1·7	14	...	...	...	...
24	—	—	—	...	·5	1·0	1·0	·8	·9	·8	1·0	1·0	1·0	...	...	—	—	—	8·0	66	...	...	...	...
25	—	—	—	...	...	...	...	...	·2	·2	...	...	...	...	...	—	—	—	0·4	3	...	...	...	...
26	—	—	—	...	...	...	·4	·5	·8	·2	...	...	...	...	...	—	—	—	1·9	16	...	...	...	...
27	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
28	—	—	—	...	...	·1	...	·3	1·0	1·0	1·0	·8	·2	·3	...	—	—	—	4·7	40	...	...	...	...
29	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
30	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...	...
Sum.	—	—	...	0·9	6·3	7·9	10·1	12·2	12·0	11·2	11·5	11·7	8·8	6·1	2·6	0·3	—	—	101·6	—	—	—	—	—
Mean.	—	—	...	·03	·21	·26	·34	·41	·40	·37	·38	·39	·29	·20	·09	·01	—	—	3·39	26	—	—	—	—

178. Eskdalemuir : h_S = 1·5 metres. **October, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	...	...	·2	...	·3	·3	·9	·5	·1	·3	·4	...	...	—	—	3·0	26	...	...	...	...
2	—	—	—	...	·4	·9	1·0	1·0	·9	·6	·9	·5	·6	·3	...	...	—	—	7·1	62	...	...	...	...
3	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
4	—	—	—	·1	1·0	·8	·9	·8	·8	·8	·1	1·0	·2	...	...	...	—	—	6·5	57	...	...	...	...
5	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
6	—	—	—	...	...	...	...	·1	·8	·7	·5	·4	·8	...	...	...	—	—	3·3	29	...	...	...	...
7	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
8	—	—	—	...	·4	·6	·1	·5	·3	...	...	...	...	...	...	...	—	—	1·9	17	...	...	...	...
9	—	—	—	...	...	...	·2	·3	·2	1·0	·6	·3	·2	...	...	...	—	—	2·8	26	...	...	...	...
10	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
11	—	—	—	...	·8	·8	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	...	...	—	—	**8·5**	**79**	...	...	...	...
12	—	—	—	...	...	...	...	...	...	·4	·1	...	·4	·2	...	...	—	—	1·1	10	...	...	...	...
13	—	—	—	...	·2	...	·4	...	...	...	...	·3	...	·1	...	...	—	—	1·0	9	...	...	...	...
14	—	—	—	...	·4	1·0	1·0	1·0	1·0	·9	·7	·4	·5	...	...	...	—	—	6·9	65	...	...	...	...
15	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
16	—	—	—	...	...	·1	...	...	...	·7	·9	1·0	·7	·7	...	...	—	—	4·1	39	...	...	...	...
17	—	—	—	...	...	·8	·7	·9	1·0	·5	...	·2	...	...	...	...	—	—	4·1	40	...	...	...	...
18	—	—	—	...	...	...	...	...	...	·4	·8	·2	...	...	...	...	—	—	1·4	14	...	...	...	...
19	—	—	—	...	...	·2	1·0	1·0	1·0	·9	·9	·8	·5	...	...	...	—	—	6·3	62	...	...	...	...
20	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
21	—	—	—	—	...	...	...	·1	·3	·9	·8	·5	...	...	...	...	—	—	2·6	26	...	...	...	...
22	—	—	—	—	...	...	·2	...	·3	·4	...	...	...	...	...	...	—	—	0·9	9	...	...	...	...
23	—	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
24	—	—	—	—	...	·1	·7	·9	·2	·9	·7	·4	...	...	...	...	—	—	3·9	40	...	...	...	...
25	—	—	—	—	·1	·1	·7	·5	·6	1·0	·7	...	...	...	...	...	—	—	3·7	38	...	...	...	...
26	—	—	—	—	...	...	...	·5	1·0	·9	...	...	·2	...	...	...	—	—	2·6	27	...	...	...	...
27	—	—	—	—	...	...	...	...	...	·3	·5	·3	·2	...	...	...	—	—	1·3	13	...	...	...	...
28	—	—	—	—	...	...	·2	·4	1·0	·7	·9	·4	...	...	...	...	—	—	3·6	38	...	...	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...	...
30	—	—	—	—	...	...	...	...	...	...	·1	...	...	...	...	...	—	—	0·1	1	...	...	...	...
31	—	—	—	—	...	·4	·6	·4	·3	·1	·1	...	·2	...	...	...	—	—	2·1	22	...	...	...	...
Sum.	—	—	—	0·1	3·3	6·0	8·7	9·7	11·0	14·0	10·8	7·8	5·7	1·7	...	...	—	—	78·8	—	—	—	—	—
Mean.	—	—	—	·00	·11	·19	·28	·31	·35	·45	·35	·25	·18	·05	...	...	—	—	2·54	24	—	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_o sec. Z.	Sky.

For periods of sixty minutes, between the exact hours of Local Apparent Time.

179. Eskdalemuir : h_S (height of recorder above ground) = 1·5 metres. **November, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	...	...	...	·3	·9	·2	...	...	...	...	—	—	—	—	1·4	15	...	...	...	...
2	—	—	—	—	·2	·3	·6	·7	·8	·6	·6	...	...	...	—	—	—	—	3·8	41	...	...	...	...
3	—	—	—	—	...	...	...	...	·1	...	·6	·6	·1	...	—	—	—	—	1·4	15	...	...	...	...
4	—	—	—	—	...	...	·2	·1	·7	...	·2	·3	...	....	—	—	—	—	1·5	17	...	...	...	...
5	—	—	—	—	...	·1	·7	·9	·6	·8	·1	...	...	...	—	—	—	—	3·2	35	...	...	...	...
6	—	—	—	—	...	·6	1·0	1·0	1·0	1·0	·8	·8	...	...	—	—	—	—	6·2	69	...	...	...	...
7	—	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	—	—	—	—	**7·7**	**87**	...	...	...	...
8	—	—	—	—	...	...	·2	·6	...	·2	·2	·9	·4	...	—	—	—	—	2·5	28	...	...	...	...
9	—	—	—	—	...	·7	·2	...	...	...	...	·4	·4	...	—	—	—	—	1·7	19	...	...	...	...
10	—	—	—	—	...	1·0	1·0	1·0	·8	·4	·1	·2	·3	...	—	—	—	—	4·8	55	...	...	...	...
11	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
14	—	—	—	—	...	·2	·5	·2	·3	...	·3	·2	·2	...	—	—	—	—	1·9	23	...	...	...	...
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...	...
16	—	—	—	—	...	·2	1·0	1·0	·9	·7	·5	...	...	...	—	—	—	—	4·3	52	...	...	...	...
17	—	—	—	—	...	...	·2	·6	·2	·5	·1	...	...	...	—	—	—	—	1·6	19	...	...	...	...
18	—	—	—	—	...	...	·3	·8	...	·3	·4	·2	...	...	—	—	—	—	2·0	25	...	...	...	...
19	—	—	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	—	7·0	86	...	...	...	...
20	—	—	—	—	—	...	·9	·7	...	...	...	...	...	—	—	—	—	—	1·6	20	...	...	...	...
21	—	—	—	—	—	·1	·8	·7	1·0	·6	·4	·5	...	—	—	—	—	—	4·1	51	...	...	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
23	—	—	—	—	—	...	·5	1·0	1·0	·9	1·0	1·0	·3	—	—	—	—	—	5·7	72	...	...	...	...
24	—	—	—	—	—	·7	1·0	·8	1·0	·9	1·0	1·0	·3	—	—	—	—	—	6·7	86	...	...	...	...
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
27	—	—	—	—	—	...	...	...	...	·1	...	...	...	—	—	—	—	—	0·1	1	...	...	...	...
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
29	—	—	—	—	—	...	...	...	·4	·2	·8	1·0	·2	—	—	—	—	—	2·5	33	...	...	...	...
30	—	—	—	—	—	·3	...	...	...	·5	...	...	...	—	—	—	—	—	0·8	11	...	...	...	...
Sum.	—	—	—	—	0·5	5·7	11·0	**12·4**	11·7	9·9	9·1	9·1	3·1	...	—	—	—	—	72·5	—	—	—	—	—
Mean.	—	—	—	—	·02	·19	·37	**·41**	·39	·33	·30	·30	·10	...	—	—	—	—	2·42	29	—	—	—	—

180. Eskdalemuir : h_S = 1·5 metres. **December, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%	h. m.	mw/cm²		
1	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
3	—	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	—	—	—	**6·2**	84	...	...	...	...
4	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
6	—	—	—	—	—	...	·8	1·0	1·0	1·0	1·0	·6	...	—	—	—	—	—	5·4	74	...	...	...	...
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
8	—	—	—	—	—	...	...	·5	1·0	1·0	1·0	·9	...	—	—	—	—	—	4·4	61	...	...	...	...
9	—	—	—	—	—	·5	1·0	1·0	1·0	·7	·8	·2	...	—	—	—	—	—	5·2	72	...	...	...	...
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
13	—	—	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	·7	...	—	—	—	—	—	5·8	82	...	...	...	...
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
15	—	—	—	—	—	...	·7	·3	·6	·1	...	...	...	—	—	—	—	—	1·7	24	...	...	...	...
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
17	—	—	—	—	—	...	...	...	...	·1	...	...	...	—	—	—	—	—	0·1	1	...	...	...	...
18	—	—	—	—	—	...	·2	·8	1·0	·7	·1	...	...	—	—	—	—	—	2·8	40	...	...	...	...
19	—	—	—	—	—	...	·4	·6	·8	1·0	1·0	·9	...	—	—	—	—	—	4·7	67	...	...	...	...
20	—	—	—	—	—	·1	1·0	1·0	·9	·7	...	...	...	—	—	—	—	—	3·7	53	...	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
22	—	—	—	—	—	...	...	·1	·5	·8	·3	...	...	—	—	—	—	—	1·7	24	...	...	...	...
23	—	—	—	—	—	·3	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	—	—	—	6·1	**87**	...	...	...	...
24	—	—	—	—	—	...	...	1·0	·8	·8	·4	·2	...	—	—	—	—	—	3·2	46	...	...	...	...
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
28	—	—	—	—	—	...	...	...	·1	...	·2	·1	...	—	—	—	—	—	0·4	6	...	...	...	...
29	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
30	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
31	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...	...
Sum.	—	—	—	—	—	1·0	7·1	9·3	**10·7**	9·9	7·8	5·4	0·2	—	—	—	—	—	51·4	—	—	—	—	—
Mean.	—	—	—	—	—	·03	·23	·30	**·35**	·32	·25	·17	·01	—	—	—	—	—	1·66	23	—	—	—	—
Annual Total.	—	4·3	20·5	36·6	57·4	81·4	112·4	128·0	**132·0**	124·4	116·1	107·8	81·1	65·0	39·1	17·6	3·0	—	1126·7	—	—	—	—	—
Annual Mean.	—	0·01	0·06	0·10	0·16	0·22	0·31	0·35	**0·36**	0·34	0·32	0·29	0·22	0·18	0·11	0·05	0·01	—	3·09	25	—	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation by Ångström Pyrheliometer. Time G.M.T.	Intensity.	p/p_0 sec. Z.	Sky.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second.

181. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
2	180	4·8	180	5·5	190	5·4	190	3·0	—	1·5	200	7·9	200	10·1	200	12·7	200	13·8	210	14·1	210	14·8	250	10·9
3	220	10·5	210	11·5	210	9·4	230	12·4	250	12·2	250	11·6	250	8·6	240	7·6	230	7·1	190	6·2	220	9·4	240	9·4
4	—	0·8	—	0·5	260	3·2	290	5·1	300	6·1	320	7·5	320	7·1	310	5·5	290	2·7	†	†	†	†	—	0·6
5	190	7·1	180	8·6	170	7·0	160	5·1	160	5·6	160	6·5	160	7·5	150	7·5	150	7·8	160	6·9	160	7·5	160	8·4
6	—	1·4	—	1·4	270	3·4	260	3·6	250	3·7	220	4·2	260	6·7	270	5·7	240	5·3	220	5·1	220	4·9	210	4·8
7	170	9·2	170	8·1	170	7·3	180	8·5	180	7·8	180	6·1	180	5·2	180	3·4	180	3·6	190	3·3	220	4·5	200	5·0
8	210	11·8	210	12·9	210	12·8	220	15·4	230	13·5	250	14·6	250	10·8	250	7·4	250	7·2	260	8·6	250	9·9	260	11·8
9	190	12·8	180	12·3	180	15·4	180	15·5	230	13·4	240	10·9	240	9·6	240	8·4	220	8·6	220	9·8	220	11·2	220	10·4
10	220	15·0	220	16·1	230	13·8	230	13·2	240	12·9	240	10·0	240	8·8	260	9·3	260	10·8	280	13·9	280	13·5	280	12·6
11	300	9·4	300	8·2	300	8·2	300	6·5	300	6·6	290	3·8	290	2·7	290	3·8	290	7·3	300	11·8	280	8·6	290	6·7
12	330	3·1	—	0·6	360	1·6	—	0·0	—	0·0	—	0·4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·5	150	2·5	210	2·2	190	3·4	200	5·0	200	6·0
14	190	5·5	240	8·5	240	11·9	230	14·3	230	12·5	230	11·0	250	11·3	260	9·4	280	10·5	280	10·6	290	11·1	280	11·2
15	280	13·1	280	12·8	280	11·8	280	12·4	280	14·2	280	11·9	280	10·9	280	7·8	280	5·0	270	7·9	280	7·8	280	7·7
16	310	5·0	310	4·6	310	2·5	—	0·4	—	0·4	—	0·4	—	1·1	—	0·5	—	1·0	—	1·0	—	0·3	—	1·2
17	200	2·4	200	3·0	200	4·8	210	4·4	230	4·0	220	3·0	210	2·4	210	4·6	210	3·6	220	4·2	220	4·6	220	5·4
18	280	1·7	—	0·5	260	2·3	270	2·5	—	0·5	310	2·6	330	4·0	330	3·9	320	4·3	340	3·8	340	2·2	330	3·8
19	210	5·6	210	6·5	200	4·9	210	4·2	230	3·6	220	5·9	190	5·5	200	5·4	210	6·4	220	7·4	210	10·3	220	14·4
20	280	11·1	290	12·8	290	14·6	290	12·4	290	13·5	300	16·6	290	15·0	290	14·0	310	14·1	330	11·3	340	12·7	340	13·2
21	270	2·4	—	1·1	230	4·1	220	4·4	230	3·9	220	4·2	200	5·5	200	3·4	210	5·0	210	8·2	200	7·4	190	4·7
22	280	7·6	270	6·8	250	7·5	250	7·2	210	9·2	270	10·8	270	12·6	270	14·0	260	13·9	270	13·6	270	13·1	260	12·3
23	—	1·4	280	2·6	—	1·4	—	1·3	—	1·5	—	0·8	—	0·7	—	0·5	—	0·7	230	6·1	230	6·5	210	5·2
24	210	8·2	220	7·6	240	8·8	240	9·6	240	11·8	250	11·7	250	8·9	210	5·0	220	4·1	230	9·4	260	9·5	260	9·1
25	260	6·8	270	7·2	270	6·8	270	7·3	240	5·9	230	6·7	250	8·5	250	7·4	240	7·1	240	6·0	230	7·2	210	6·5
26	240	10·6	250	13·0	250	11·0	260	10·5	250	10·0	260	8·2	220	4·0	220	5·0	260	6·8	270	6·5	260	6·7	250	7·0
27	240	6·9	250	10·0	240	8·8	250	8·4	250	6·5	260	7·1	250	6·6	260	7·4	260	6·1	250	6·8	260	7·6	260	8·4
28	270	5·5	280	6·2	280	6·4	280	6·4	270	5·2	270	5·4	270	6·6	270	5·1	270	5·1	270	5·8	270	5·3	270	5·5
29	230	6·5	230	5·5	240	7·8	230	8·1	240	8·2	260	8·1	270	8·7	270	6·9	270	4·7	280	3·7	260	3·9	260	6·0
30	280	4·9	270	4·1	270	4·8	220	3·7	190	1·6	180	1·7	200	1·6	260	3·4	260	4·8	250	4·4	220	3·3	220	4·6
31	250	6·4	230	5·5	230	4·5	240	4·8	220	5·0	230	5·4	240	6·6	230	4·4	210	4·3	230	8·0	220	8·6	210	7·6
Mean‡...	—	6·6	—	6·8	—	7·0	—	6·9	—	6·5	—	6·6	—	6·4	—	**5·9**	—	6·0	—	6·9	—	7·3	—	7·3

182. Eskdalemuir : H_a = 235 metres + 15 metres.

Day.																								
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	240	11·3	250	15·1	250	13·8	250	11·7	240	10·9	230	12·9	230	13·0	230	13·4	230	13·4	230	10·7	220	10·1	220	10·1
2	260	17·3	260	14·5	270	12·2	280	10·7	280	9·9	260	9·9	250	8·6	230	7·2	220	7·5	210	7·1	210	7·5	220	8·1
3	220	9·8	250	11·5	250	7·8	230	7·4	230	9·6	230	10·0	230	9·9	230	10·5	220	9·4	230	9·6	240	11·2	250	10·4
4	260	5·3	290	3·6	330	4·5	340	4·2	340	3·5	320	2·4	310	2·3	300	6·3	290	3·6	280	5·6	290	5·0	280	3·2
5	170	3·5	190	5·5	180	5·7	180	9·1	180	11·5	180	10·9	190	11·8	200	13·0	190	13·0	200	11·7	200	13·0	200	15·0
6	190	11·6	180	13·2	170	12·8	160	10·0	170	9·0	160	9·8	160	10·2	170	11·2	160	10·3	160	9·5	170	10·4	170	10·0
7	200	8·6	200	7·9	200	7·0	200	5·0	180	4·8	170	4·8	160	6·1	140	7·8	130	8·5	150	12·8	150	14·6	150	11·9
8	150	4·6	150	6·0	150	6·9	150	6·8	170	6·0	170	3·2	220	4·6	280	5·0	280	3·7	280	3·6	—	1·5	270	3·4
9	—	0·3	—	0·3	—	1·5	210	3·0	180	3·0	180	3·7	180	3·4	200	2·7	190	2·8	210	3·0	200	3·3	180	3·5
10	130	6·0	130	6·6	130	7·2	130	7·1	130	7·6	120	8·6	120	8·9	130	8·6	120	7·8	130	9·5	140	10·1	140	9·8
11	100	5·8	80	4·0	60	5·0	80	7·8	90	7·5	80	7·9	80	7·4	90	6·7	100	5·7	90	6·6	90	5·6	90	5·3
12	200	2·9	210	5·0	220	5·0	210	4·9	220	5·2	220	4·5	180	2·3	200	4·0	200	5·5	190	5·4	220	5·3	240	3·7
13	50	4·8	70	4·3	90	4·9	90	3·4	—	1·5	80	3·3	80	4·1	110	4·8	110	4·6	140	4·7	130	5·2	130	5·9
14	120	7·4	120	7·1	120	5·3	120	4·7	120	3·6	110	3·3	110	3·3	130	3·1	120	2·6	120	2·2	—	1·0	130	2·8
15	—	1·0	—	1·0	—	1·0	—	1·0	—	1·0	—	1·0	20	2·0	20	3·0	20	3·2	40	3·5	60	3·6	70	2·8
16	130	5·4	130	4·5	130	3·9	140	3·4	150	3·4	150	1·9	—	0·5	—	0·6	—	0·7	—	0·0	—	0·0	180	2·5
17	80	8·3	80	7·1	80	9·7	90	11·3	90	11·7	90	11·0	90	10·5	90	12·0	90	10·7	90	10·0	90	6·2	100	5·4
18	130	8·6	130	10·4	130	12·5	120	12·3	130	11·2	130	10·3	130	9·3	130	8·2	130	8·5	130	9·3	130	11·0	140	9·6
19	80	2·6	80	2·3	80	2·6	90	4·3	90	3·5	90	3·5	80	3·3	60	3·0	60	2·9	60	3·2	70	5·5	60	5·4
20	50	2·8	—	1·5	—	1·5	60	2·2	60	2·9	—	1·0	—	0·0	—	0·5	—	0·3	—	0·8	130	3·4	150	2·4
21	140	6·3	130	6·1	120	7·5	130	9·0	130	10·1	120	10·0	120	8·6	130	6·6	130	7·1	130	8·4	130.	8·3	150	7·4
22	—	0·5	—	0·6	—	1·0	—	1·1	—	0·9	—	1·4	350	2·0	20	1·7	40	2·0	360	2·0	10	2·7	10	2·1
23	40	2·0	40	2·0	—	1·5	—	1·0	40	2·2	40	1·7	40	2·0	20	1·8	30	2·2	350	1·6	20	4·0	50	3·7
24	70	3·6	70	3·0	70	2·9	70	2·4	70	3·3	70	5·5	80	6·1	80	4·8	80	5·0	90	6·0	80	7·3	70	6·1
25	80	3·3	80	2·9	80	4·0	70	2·5	70	2·1	60	3·1	60	2·3	70	2·8	50	2·3	100	3·6	110	4·2	120	5·2
26	—	1·0	—	0·1	—	0·6	10	2·1	50	4·5	50	4·6	70	7·1	70	9·9	80	10·4	100	12·0	110	14·6	120	13·1
27	140	11·5	140	11·9	140	11·2	140	9·8	140	9·0	140	7·4	140	5·7	140	5·5	130	7·4	140	7·5	130	6·7	100	6·1
28	—	1·2	310	1·6	310	2·4	320	3·1	290	3·5	280	4·5	280	5·6	280	3·6	—	1·5	260	3·5	260	2·4	—	0·4
Mean ...	—	5·6	—	5·7	—	5·8	—	5·8	—	5·8	—	5·8	—	5·7	—	6·0	—	5·8	—	6·2	—	**6·6**	—	6·3
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

† Defective record. ‡ Mean for 30 days—4th being omitted

Average for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

January, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	0·0	—	0·4	—	0·1	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	200	2·0	180	4·1	170	4·0	170	4·6	0·5	1
210	6·4	200	8·4	200	8·1	210	10·8	210	13·2	210	14·9	210	13·5	210	13·3	210	13·3	210	13·3	240	12·7	220	11·7	10·0	2
230	9·5	240	10·1	240	11·9	250	12·3	250	9·9	280	10·1	300	9·5	300	9·0	310	10·4	310	11·7	310	8·8	300	2·4	9·8	3
—	1·0	220	1·6	190	2·2	200	2·1	—	1·5	—	0·0	—	0·1	—	0·0	—	1·5	—	0·6	200	2·3	190	3·4	—	4
160	7·1	200	5·0	250	4·4	240	5·8	300	7·6	300	8·5	300	6·3	300	3·4	300	3·6	310	5·0	—	0·6	—	0·6	6·0	5
220	5·6	220	5·2	220	5·1	220	5·1	230	7·5	230	6·5	230	5·4	210	4·5	200	4·3	180	4·4	180	5·9	180	9·0	4·8	6
210	5·9	210	9·1	210	9·1	210	8·0	220	8·5	230	8·6	220	7·4	230	8·9	220	8·4	210	9·6	210	14·3	210	12·4	7·5	7
260	12·7	270	11·1	270	10·9	260	9·5	260	6·6	250	6·4	250	7·6	190	3·4	200	6·5	210	10·5	200	9·6	200	11·5	10·1	8
220	12·1	230	12·4	230	15·2	220	11·5	210	11·0	210	10·5	220	10·6	210	11·1	210	13·1	210	14·8	220	12·7	220	13·0	**11·9**	9
280	10·7	280	12·1	280	11·2	280	12·2	280	12·0	280	8·8	280	5·5	300	5·9	300	9·0	300	12·0	300	10·1	300	10·1	11·3	10
270	12·6	270	12·1	270	11·4	330	8·6	330	6·9	340	5·0	340	3·6	340	2·1	330	4·1	340	1·8	—	1·2	330	1·6	6·6	11
—	0·0	—	1·0	—	0·5	—	0·3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	**0·3**	12
200	5·2	190	5·4	190	6·1	190	5·2	190	3·7	160	4·0	190	3·4	200	5·9	210	5·0	170	3·2	180	3·3	190	4·7	3·0	13
280	12·7	280	13·5	280	11·0	280	12·5	280	11·8	280	12·5	270	13·5	280	13·0	280	12·6	280	14·4	280	13·8	280	14·6	11·6	14
280	9·1	280	10·2	280	7·0	270	5·9	270	6·1	280	10·4	280	10·0	310	6·6	310	3·0	—	1·0	—	1·2	310	4·1	8·5	15
—	1·1	—	0·4	—	0·0	—	0·0	—	0·9	—	0·5	—	0·4	—	1·0	—	1·1	180	2·4	180	2·8	200	2·9	1·3	16
220	5·6	220	6·8	220	5·6	220	4·9	220	5·5	220	5·4	220	4·8	220	5·5	220	4·8	220	4·0	220	3·0	220	1·8	4·4	17
340	3·8	290	2·0	280	2·5	280	2·1	270	2·3	260	3·2	250	3·6	240	3·5	240	3·8	190	3·8	210	5·5	220	6·1	3·0	18
230	13·8	230	12·9	240	12·8	240	12·2	260	12·0	280	12·0	280	12·6	280	13·6	280	13·0	280	12·0	280	11·5	280	11·2	9·5	19
330	12·8	330	10·6	330	11·4	340	8·4	340	4·2	350	2·9	350	3·3	280	3·9	300	4·3	290	4·4	280	1·8	290	1·8	9·8	20
230	6·3	240	5·5	240	3·8	270	4·1	270	6·0	280	9·5	280	7·1	290	10·8	280	6·5	280	8·8	290	12·8	270	6·5	5·8	21
260	13·1	260	13·4	270	10·8	280	10·5	310	10·6	310	10·4	310	9·0	310	7·8	320	6·2	300	6·0	270	2·0	300	3·7	9·7	22
230	6·5	230	7·5	220	8·0	240	8·5	230	10·1	240	11·0	240	10·3	220	10·1	220	10·4	230	10·8	240	12·1	240	10·0	5·9	23
270	9·1	270	11·0	270	12·0	250	7·9	260	8·1	260	9·0	270	8·0	270	8·5	270	7·6	260	7·2	250	5·4	250	6·3	8·6	24
230	7·5	240	10·1	250	10·6	230	8·1	230	8·2	240	10·0	240	9·5	240	7·2	250	10·0	250	9·6	220	6·5	230	9·3	7·9	25
270	6·8	260	5·2	240	5·9	230	4·6	230	6·0	250	6·1	230	5·9	230	6·0	230	7·3	220	5·6	230	5·5	240	6·5	7·2	26
260	8·6	270	9·1	270	8·0	270	7·9	270	9·0	280	8·5	280	9·5	280	8·4	280	9·4	280	10·1	280	8·3	280	5·9	8·1	27
280	5·3	270	5·2	280	6·4	270	5·1	280	4·4	270	5·8	250	6·4	240	5·9	230	5·6	210	6·7	230	7·6	240	7·2	5·8	28
260	5·0	270	5·9	270	6·0	270	5·9	260	3·5	—	1·4	280	3·6	280	5·0	280	3·2	280	4·4	270	2·0	280	4·4	5·4	29
210	5·0	220	6·0	220	6·2	240	6·5	250	7·2	230	6·2	240	6·3	220	5·0	230	5·6	230	7·6	240	9·3	240	6·0	5·0	30
200	7·0	200	7·4	230	10·6	230	10·8	230	4·9	230	9·5	240	6·5	220	9·6	230	11·3	220	12·5	230	11·8	230	10·5	7·9	31
—	7·6	—	**7·8**	—	**7·8**	—	7·2	—	7·2	—	7·3	—	6·8	—	6·6	—	6·9	—	7·4	—	6·9	—	6·7	6·9	‡

February, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
220	8·2	210	8·5	210	7·9	210	7·8	200	8·4	210	9·3	200	9·5	210	11·8	220	14·2	230	13·1	230	12·7	250	16·3	11·3	1
220	8·0	240	9·9	230	10·4	230	10·1	230	9·5	230	7·1	230	8·6	230	7·3	210	7·2	210	7·2	230	10·2	230	10·6	9·6	2
250	11·7	250	11·5	260	12·1	260	9·4	260	6·4	270	6·3	270	5·8	260	6·0	190	2·7	210	2·8	240	4·0	250	5·5	8·5	3
280	3·0	270	2·7	270	3·2	220	2·0	—	1·2	—	0·6	—	0·9	180	1·6	—	1·3	190	3·7	180	3·1	160	2·7	3·2	4
200	17·4	210	17·1	200	15·2	200	13·3	200	14·6	200	14·2	180	13·2	180	13·3	180	12·8	190	12·7	190	12·9	190	10·7	**12·0**	5
170	8·8	170	8·0	160	7·2	160	5·5	160	5·6	170	6·1	160	6·5	160	6·5	160	6·0	160	6·2	160	5·0	170	8·3	8·7	6
170	9·8	190	7·2	200	7·0	200	8·8	180	7·5	170	5·4	170	5·0	170	5·4	170	5·8	180	5·6	170	4·5	170	4·9	7·4	7
250	3·9	270	3·9	250	5·6	270	3·4	240	1·8	—	1·5	—	1·4	—	1·5	240	2·8	—	0·5	—	0·3	—	0·3	3·5	8
160	3·5	150	2·8	150	2·8	100	2·9	—	1·4	—	0·6	—	0·8	120	3·1	130	4·6	140	4·6	130	5·0	130	6·2	2·7	9
140	8·4	150	6·5	150	5·3	140	4·3	150	3·5	140	3·3	140	2·4	130	2·8	110	2·6	110	3·5	110	5·4	120	7·5	6·4	10
80	5·2	90	4·6	110	5·9	100	5·7	90	4·6	120	4·5	160	2·6	170	2·6	170	2·8	200	4·4	200	4·7	200	3·4	5·3	11
230	1·8	210	2·2	—	0·1	—	0·0	—	0·1	—	0·1	—	0·1	—	0·3	—	0·8	350	2·4	350	3·2	350	1·8	2·8	12
130	6·3	130	6·5	130	6·5	130	5·1	130	6·0	120	7·4	120	7·3	130	7·1	130	7·4	130	7·6	130	7·7	120	7·0	5·5	13
130	1·6	—	1·0	—	0·9	—	0·4	—	0·5	70	1·8	—	1·0	—	1·0	—	1·0	—	1·0	—	1·0	—	1·0	2·6	14
70	3·0	60	3·9	80	2·7	110	3·0	100	3·5	110	4·6	110	6·8	120	6·3	130	6·7	120	6·5	130	7·7	130	6·9	3·5	15
190	3·1	190	4·2	180	2·5	130	3·7	80	2·5	—	1·0	—	1·5	150	1·9	130	5·4	120	7·3	110	6·3	100	7·5	3·1	16
110	5·8	110	6·8	120	7·2	110	6·1	110	5·9	130	8·3	120	8·1	130	7·6	130	9·5	130	9·0	130	8·5	140	7·7	8·5	17
140	8·8	140	8·9	130	5·9	110	3·0	130	6·7	140	6·3	140	2·1	100	1·7	—	1·4	60	1·6	—	1·4	90	2·3	7·3	18
50	3·1	50	2·0	40	1·8	50	2·2	50	2·4	—	1·5	—	1·5	—	1·4	—	1·3	—	1·5	50	2·6	50	1·8	2·7	19
140	2·8	150	3·0	140	3·5	140	3·2	130	3·9	140	2·5	130	4·8	130	6·1	140	5·5	130	7·4	140	8·0	140	6·8	3·1	20
150	6·4	160	3·8	150	3·1	140	2·0	—	0·3	—	0·6	—	0·4	—	1·0	—	1·0	—	1·2	—	0·3	—	0·5	5·0	21
30	2·9	80	3·1	70	3·3	50	3·7	50	4·3	50	4·9	50	5·0	50	4·5	40	4·0	40	4·2	40	3·9	40	3·5	2·7	22
60	3·0	60	2·7	60	2·2	60	2·3	60	3·2	—	1·1	—	0·8	—	1·4	60	4·2	60	4·2	60	2·9	70	3·5	2·4	23
60	4·4	70	3·3	70	3·7	50	3·1	50	2·1	50	2·7	60	3·3	80	4·5	80	3·1	80	2·5	70	2·0	70	2·8	3·9	24
130	2·1	—	0·2	—	0·6	—	1·4	—	0·4	—	0·1	—	1·0	—	0·1	—	0·5	200	2·2	200	2·8	200	2·4	**2·2**	25
130	9·7	130	8·9	120	6·1	120	6·7	120	7·4	130	8·2	130	8·6	130	8·6	140	11·2	140	12·5	130	12·3	140	11·2	7·8	26
100	4·4	60	3·5	70	3·2	140	2·3	140	1·9	—	0·3	—	1·3	360	1·6	—	0·5	—	1·0	—	0·8	—	0·9	5·3	27
—	0·1	—	1·4	250	2·5	260	3·5	260	2·6	260	2·5	260	3·0	250	2·8	—	0·2	—	0·1	—	0·4	—	0·3	**2·2**	28
—	5·6	—	5·3	—	4·9	—	4·5	—	4·2	—	**4·0**	—	4·1	—	4·3	—	4·5	—	4·9	—	5·0	—	5·1	5·3	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second.

183. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·9	360	2·1	360	2·8	—	1·4	—	0·5	—	0·5	—	0·7	—	0·6	—	0·3	—	0·1	—	0·2	—	0·0
2	120	6·0	110	4·7	180	3·7	230	8·5	230	6·8	220	6·5	220	7·0	220	5·9	210	4·8	220	8·4	220	8·5	220	8·6
3	190	7·2	190	5·7	190	5·6	180	5·6	180	5·8	170	5·7	150	4·3	140	3·5	140	2·1	120	2·2	—	1·5	130	1·6
4	—	0·8	360	2·3	360	4·0	360	2·8	360	2·8	360	2·8	360	3·4	350	3·9	360	2·4	360	4·0	360	2·9	360	3·0
5	—	1·5	190	3·3	200	2·8	190	3·0	180	3·9	200	4·1	190	5·1	190	7·6	190	10·0	190	7·9	190	8·1	210	9·4
6	180	3·4	220	4·0	220	1·7	210	3·6	190	3·7	180	4·5	180	5·4	200	8·6	200	7·7	200	10·0	200	12·3	200	12·4
7	210	8·2	220	9·8	210	7·4	210	7·3	210	6·5	210	6·2	220	6·9	240	3·3	—	0·8	—	1·3	360	4·9	360	5·6
8	360	2·8	350	3·5	350	4·5	360	6·5	360	6·8	360	6·4	360	4·1	350	4·5	360	5·4	360	6·0	10	6·4	360	6·7
9	50	4·9	50	3·8	50	4·2	30	4·4	40	3·6	40	3·6	20	4·0	10	2·2	20	4·8	40	6·2	30	5·7	40	5·8
10	70	3·0	100	3·5	120	2·2	—	0·9	—	1·4	—	0·4	—	0·9	—	0·3	—	0·5	150	3·9	150	4·4	150	4·9
11	150	1·8	130	4·1	140	3·5	140	3·1	140	3·0	140	3·4	140	3·8	140	4·0	140	5·7	150	4·9	150	4·5	140	5·5
12	160	5·1	160	5·9	160	5·4	160	5·4	160	5·0	150	5·1	160	5·9	160	6·1	160	7·3	170	6·6	170	7·1	160	7·0
13	200	7·8	220	9·2	220	6·2	240	6·2	250	6·5	260	5·1	260	3·8	260	4·2	—	1·5	290	5·5	290	6·2	310	5·9
14	—	0·9	†	†	†	†	†	†	†	†	350	2·0	†	1·5	20	3·2	40	5·3	†	†	†	†	70	5·0
15	50	3·6	50	3·7	50	4·2	60	5·2	60	3·6	70	3·6	40	3·8	30	5·2	30	7·0	50	7·4	50	8·4	50	8·6
16	20	6·5	20	9·0	30	7·5	20	6·4	350	4·1	340	3·5	350	3·0	350	3·8	10	5·2	20	8·2	20	7·0	360	7·4
17	20	5·3	30	6·4	40	7·3	50	6·5	50	6·1	40	6·5	40	8·6	50	8·0	60	8·5	70	8·2	70	6·2	50	6·1
18	20	5·0	30	4·9	30	4·8	30	4·8	30	5·0	20	5·0	10	4·1	30	6·5	30	5·4	40	6·3	60	7·1	40	6·0
19	10	4·4	20	5·5	20	4·1	30	5·5	20	4·8	10	3·4	360	4·2	350	5·0	350	6·1	30	6·0	40	6·4	40	7·6
20	30	2·5	30	2·8	360	4·5	360	3·5	360	4·9	30	6·4	30	6·4	40	7·6	50	6·5	50	6·6	50	5·3	50	6·0
21	360	2·6	350	3·5	350	3·9	350	3·8	360	4·0	350	3·0	350	2·8	350	3·5	360	4·1	10	4·0	20	4·6	30	4·8
22	10	3·1	†	3·0	†	2·6	†	2·8	†	2·3	†	1·6	360	2·1	360	2·7	360	2·8	40	5·8	50	6·4	60	6·0
23	†	3·6	†	4·4	†	4·0	†	3·8	†	2·8	†	1·9	360	3·9	360	5·1	360	5·2	†	5·0	†	3·3	60	3·2
24	—	0·5	—	1·1	—	0·4	360	1·6	360	1·7	—	1·4	—	1·5	—	0·3	—	0·0	—	0·0	150	3·5	210	6·0
25	—	0·2	—	0·3	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·6	—	0·3	150	3·6	150	3·4	150	3·4
26	—	0·4	—	0·0	—	0·7	—	0·2	—	1·0	—	0·7	—	0·2	—	1·2	—	0·8	150	5·0	140	5·7	150	6·0
27	—	0·0	—	0·4	150	2·9	150	3·4	150	4·0	150	4·5	140	4·5	140	3·6	150	3·8	140	6·0	150	6·5	170	6·3
28	140	5·2	150	5·1	160	4·2	210	5·5	190	4·6	190	3·1	180	1·9	180	2·4	200	3·1	240	2·5	230	3·2	230	2·6
29	170	2·2	—	1·0	—	0·1	—	0·0	—	0·6	—	0·4	—	0·2	—	0·1	—	0·0	—	0·0	—	0·5	150	2·6
30	—	0·5	40	1·7	40	2·2	—	1·4	†	2·0	†	2·1	†	2·8	†	1·8	†	3·0	350	1·8	360	2·5	—	0·7
31	—	1·5	—	1·0	—	1·0	†	3·1	†	1·9	—	1·4	—	1·5	40	4·6	40	4·2	60	4·4	60	3·4	90	2·9
Mean ‡...	—	3·4	—	3·9	—	3·6	—	3·9	—	3·7	—	3·4	—	3·6	—	3·9	—	4·0	—	4·9	—	5·2	—	5·4

184. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·8	80	3·3	70	2·6	80	3·0	90	2·8	90	3·4	100	5·0	100	4·6	100	4·9	100	3·3	80	2·9	80	2·9
2	—	1·0	—	1·1	†	2·2	†	2·5	†	3·3	†	3·5	40	4·4	40	3·8	40	4·1	50	3·6	50	4·0	60	4·2
3	—	1·5	—	1·0	—	0·8	—	0·5	—	0·5	—	0·5	—	0·5	—	1·0	—	0·4	—	0·8	150	2·5	160	2·2
4	—	0·3	—	0·2	—	0·3	—	0·5	130	3·0	130	5·4	130	5·9	130	4·4	130	5·2	140	6·1	130	5·6	140	5·0
5	10	2·5	10	3·7	20	3·7	20	5·2	20	5·0	20	5·5	10	5·4	20	5·5	10	5·4	40	5·0	60	5·4	60	6·9
6	70	5·4	70	6·2	60	5·5	60	5·0	70	4·9	80	5·4	80	7·3	90	8·0	90	8·5	90	8·0	90	8·5	100	9·2
7	100	6·9	90	6·7	90	5·6	90	5·9	90	5·6	90	4·5	60	2·8	60	4·5	70	6·0	90	5·6	90	5·5	80	5·8
8	340	6·6	40	5·2	40	5·2	50	6·8	60	6·6	70	9·0	60	5·4	70	6·4	90	8·5	110	10·4	100	8·6	90	10·5
9	90	6·7	90	6·0	80	4·2	60	4·0	70	5·1	60	5·4	60	6·0	80	6·5	70	8·2	80	8·7	70	9·0	70	9·4
10	30	7·6	30	8·7	20	10·0	20	9·4	20	8·3	30	7·1	30	7·0	20	5·4	30	5·4	50	5·6	50	6·4	80	5·5
11	70	7·4	70	7·4	†	9·1	†	7·5	†	7·4	†	6·3	130	3·5	140	2·5	140	3·2	130	3·0	†	2·0	—	1·1
12	20	3·9	20	6·6	40	9·7	40	9·2	40	6·6	30	6·1	20	4·7	20	5·0	30	4·8	40	†	40	5·6	30	4·6
13	250	3·7	230	1·7	210	0·9	210	1·3	210	2·4	—	0·4	200	5·7	200	4·4	200	3·9	190	5·8	200	6·8	200	8·2
14	30	4·3	40	3·7	40	4·9	20	4·3	20	5·1	10	4·8	20	5·1	30	5·8	30	7·8	40	6·9	40	6·1	40	6·0
15	360	2·5	—	1·5	—	1·0	—	1·0	—	1·1	—	1·5	50	3·0	40	4·8	50	5·5	100	6·5	100	6·8	100	6·4
16	†	2·9	30	4·4	30	4·4	30	4·7	30	4·1	30	4·1	40	4·6	60	3·0	50	2·8	50	3·2	60	3·6	50	4·6
17	—	0·8	—	0·9	—	0·8	—	1·1	—	1·0	—	1·2	—	0·8	90	3·3	110	6·2	120	6·3	120	6·5	120	6·4
18	—	1·4	—	0·8	—	0·8	—	1·5	—	1·5	—	1·5	30	2·8	40	3·2	40	3·8	80	5·4	100	6·0	110	6·5
19	70	4·3	60	5·1	40	6·0	60	6·0	60	4·4	60	5·1	60	4·3	50	5·8	50	7·5	70	7·8	60	7·3	50	7·3
20	—	0·8	—	0·7	—	0·5	—	1·2	110	3·0	—	1·3	60	2·0	50	5·9	60	7·3	50	7·5	50	7·3	40	7·8
21	20	6·6	20	5·0	20	6·7	20	9·0	60	10·1	20	9·4	20	9·6	20	9·4	20	9·2	20	10·0	20	12·2	20	13·1
22	20	9·9	30	7·8	30	9·0	30	8·5	30	7·5	30	7·0	30	7·0	30	7·6	30	7·5	30	7·8	40	7·7	40	6·5
23	—	0·6	230	3·6	250	2·2	—	0·5	250	2·5	—	0·6	—	1·1	230	2·0	340	4·4	20	6·4	20	7·8	30	8·8
24	350	†	340	†	340	†	330	5·6	330	1·9	350	3·2	360	5·6	360	5·6	350	3·4	30	2·3	†	†	†	†
25	170	7·5	180	8·6	180	5·8	180	5·0	180	4·2	180	4·5	200	9·6	220	10·8	230	9·9	230	8·9	210	10·5	200	10·6
26	220	7·9	220	8·9	220	10·5	220	9·2	220	8·5	250	6·0	260	5·0	260	5·5	270	6·8	270	6·8	270	8·5	280	8·7
27	320	4·9	320	2·5	—	0·8	—	0·4	—	0·3	—	0·3	—	0·5	—	1·0	330	2·5	240	3·5	230	6·1	210	7·1
28	—	0·4	—	0·4	—	0·4	—	0·2	—	0·2	—	0·4	—	0·4	190	2·6	200	6·0	220	5·7	210	6·5	210	8·7
29	230	3·2	220	2·4	240	3·1	250	3·8	250	2·5	240	3·1	260	3·9	250	6·0	240	5·2	270	5·7	270	5·9	260	6·5
30	180	3·6	180	2·9	—	0·7	—	0·3	230	4·0	230	10·0	240	10·5	240	9·9	230	10·0	230	10·3	240	10·0	240	9·1
Mean §...	—	4·1	—	4·0	—	3·9	—	4·0	—	4·2	—	4·3	—	4·7	—	5·2	—	6·0	—	6·2	—	6·6	—	6·9
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

† Defective record. ‡ Mean for 30 days only, omitting 14th.

Averages for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres. **March, 1923.**

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s	m/s	
—	0·4	—	0·1	—	0·0	—	0·1	—	1·5	180	3·1	180	2·5	—	1·1	150	1·6	100	2·8	90	1·6	110	5·6	**1·2**	1
210	8·1	220	8·8	200	9·8	200	9·6	200	8·7	190	8·8	200	9·2	200	9·5	210	9·5	200	7·6	200	7·8	200	7·5	**7·6**	2
—	1·4	360	2·0	—	1·1	360	1·6	350	1·8	—	0·7	—	0·5	—	0·2	—	1·1	—	1·3	350	2·7	350	1·8	2·9	3
40	1·6	—	1·2	—	1·4	50	2·4	—	1·3	—	1·1	—	0·5	—	0·2	—	0·2	—	0·2	—	0·1	—	0·1	1·9	4
220	8·8	240	9·9	240	11·1	240	11·8	250	12·4	270	11·9	270	11·3	270	9·8	270	10·0	250	6·0	190	3·8	180	3·5	7·3	5
210	11·2	210	10·2	220	7·9	220	6·1	220	5·0	210	5·5	210	4·1	210	3·9	220	6·6	230	6·0	210	4·7	210	7·0	6·4	6
10	5·9	10	5·6	360	5·7	360	5·5	360	5·4	360	3·9	10	3·6	10	3·0	10	4·4	10	2·8	10	2·7	—	0·8	5·0	7
360	5·5	40	6·7	40	5·6	50	5·9	40	5·5	40	5·3	50	5·4	50	5·1	50	5·2	40	5·6	30	5·4	60	1·6	5·3	8
60	5·5	50	5·5	70	4·4	60	4·4	—	0·5	—	1·4	60	1·6	—	0·8	—	0·5	50	1·7	—	0·8	50	1·6	3·4	9
150	5·1	160	5·5	150	4·6	140	4·0	130	4·5	130	4·8	130	4·5	140	4·0	150	2·7	160	1·7	—	0·5	—	1·2	2·9	10
150	6·4	140	5·6	150	5·0	150	5·5	140	4·9	150	3·9	150	4·6	150	4·7	140	4·6	150	4·3	160	5·0	150	5·3	4·4	11
160	7·6	160	6·4	170	6·8	170	5·8	160	6·5	160	5·3	160	6·4	170	9·3	170	8·0	190	10·4	200	10·3	200	8·4	6·7	12
320	5·3	330	5·1	340	3·8	340	3·0	320	3·8	340	2·0	360	2·4	360	3·0	360	2·9	—	0·4	—	0·4	—	0·9	4·4	13
50	5·4	60	5·0	60	6·4	80	6·3	80	4·4	100	4·1	80	1·8	70	3·6	50	2·7	50	3·7	50	3·6	50	3·7	—	14
40	8·7	40	8·9	40	9·3	30	8·1	30	6·8	30	6·1	30	5·9	20	7·0	20	7·3	10	6·6	20	6·9	20	6·5	6·3	15
360	6·4	360	5·7	50	6·6	50	5·5	20	4·0	360	4·4	60	7·4	60	3·9	40	4·1	40	6·8	—	1·3	30	2·5	5·5	16
60	7·4	80	8·2	90	9·2	50	6·0	360	4·4	50	4·5	40	3·2	360	2·3	40	4·0	20	4·9	20	4·7	20	4·0	6·1	17
40	5·1	50	5·4	60	6·0	70	6·3	50	4·8	30	4·0	40	3·4	40	2·6	20	2·7	20	2·8	10	4·0	20	5·0	4·9	18
50	7·0	50	7·4	50	8·6	50	9·1	40	7·9	20	5·1	30	6·1	30	7·0	20	4·6	50	4·1	50	3·9	20	3·6	5·8	19
80	6·4	80	5·8	70	6·5	70	7·0	40	6·6	60	6·6	40	2·1	40	3·6	50	3·5	50	2·9	340	1·5	360	1·1	4·9	20
50	4·8	50	4·4	60	3·8	50	5·1	40	4·2	360	3·0	360	3·6	360	4·0	360	3·2	20	4·4	40	4·4	20	4·4	3·8	21
60	5·2	50	6·4	50	4·9	40	5·5	40	5·4	40	2·0	360	3·6	360	6·1	360	4·6	360	3·8	†	4·8	†	3·4	4·1	22
70	3·0	70	2·4	70	2·4	70	2·4	60	4·1	50	3·2	30	2·7	20	4·3	360	4·1	360	3·4	360	2·0	340	2·1	3·5	23
210	6·1	210	7·1	220	5·5	270	5·1	230	5·6	220	4·9	230	5·5	230	1·6	140	1·7	—	0·5	—	0·5	—	0·0	2·6	24
190	7·9	200	9·6	200	12·8	190	11·6	200	8·5	190	6·5	190	4·6	200	4·4	—	1·1	—	0·8	—	0·2	—	0·2	3·3	25
140	5·9	140	5·8	140	6·4	140	4·6	140	3·0	130	3·5	130	3·1	130	2·2	130	2·0	—	1·0	—	0·7	—	1·1	2·5	26
200	5·0	190	4·4	160	3·9	150	3·7	140	3·9	150	5·1	140	3·0	140	5·2	140	7·0	140	5·0	140	4·5	140	4·8	4·1	27
220	3·0	210	4·8	200	5·8	210	4·9	200	3·7	—	0·8	200	1·6	180	2·0	—	0·7	—	1·0	—	0·4	—	0·6	3·1	28
160	3·5	150	3·5	170	2·8	120	3·7	100	4·2	70	1·8	30	1·8	—	1·2	—	1·5	—	1·3	—	1·5	—	1·0	1·5	29
—	0·2	70	1·6	200	3·5	190	2·9	—	0·5	—	0·1	—	0·2	20	2·0	10	1·8	—	0·8	10	2·0	†	2·0	1·6	30
140	3·2	110	3·6	90	5·0	110	5·7	100	5·5	90	5·3	80	5·4	100	6·4	90	5·1	100	3·0	—	0·8	—	0·0	3·4	31
—	5·4	—	5·6	—	**5·7**	—	5·4	—	4·8	—	4·1	—	4·0	—	4·0	—	3·9	—	3·5	—	3·0	—	**2·9**	4·2	‡

April, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m s.	°	m s.	°	m/s.	m/s.	
90	4·0	110	3·2	120	3·4	130	2·4	170	1·6	170	2·2	—	1·5	—	0·5	—	0·6	—	1·0	—	1·1	—	1·5	2·2	1
60	5·5	70	5·3	70	4·5	80	3·5	90	2·1	80	2·6	80	2·5	—	1·0	—	1·5	—	0·5	20	1·8	20	1·7	2·9	2
160	3·2	160	3·5	140	3·1	150	2·9	150	1·6	—	0·7	—	0·4	—	0·2	—	0·1	—	0·8	—	0·5	—	0·7	**1·3**	3
150	5·0	140	4·8	150	3·5	140	4·6	—	1·0	—	0·8	—	1·4	140	1·6	—	1·5	—	0·5	—	0·4	—	1·0	2·8	4
60	6·8	70	7·7	80	6·0	60	8·3	60	8·5	60	8·1	60	7·8	50	5·7	40	4·5	50	6·4	70	6·6	80	5·0	5·8	5
100	9·1	100	7·9	100	8·8	100	7·9	100	7·7	100	6·8	100	7·5	90	6·9	90	7·0	90	6·8	90	6·6	90	6·5	7·1	6
80	6·5	70	5·9	50	5·8	60	6·0	50	6·6	40	6·9	40	7·6	40	5·4	340	5·4	360	5·6	10	5·0	†	5·3	5·7	7
90	12·0	100	10·4	90	11·4	100	11·0	90	9·1	80	9·6	80	9·5	70	6·0	70	7·0	70	7·2	80	6·8	90	7·5	8·1	8
70	9·0	60	9·3	70	9·8	60	9·5	60	8·7	60	8·4	50	5·6	30	5·8	30	6·1	20	7·2	30	7·6	30	7·8	7·2	6
120	6·4	140	5·1	140	4·9	120	5·5	110	6·5	110	6·1	80	2·8	70	5·5	70	5·9	90	6·5	80	7·5	70	6·3	6·5	10
—	1·5	—	1·2	—	0·5	—	1·3	10	3·3	50	5·6	30	4·1	50	4·7	50	4·6	†	3·0	†	2·3	20	3·2	4·1	11
40	5·0	100	3·7	—	0·7	—	0·0	—	0·9	—	1·3	—	0·0	—	0·9	60	3·3	—	1·5	230	2·2	230	2·2	—	12
200	9·0	180	7·4	160	4·4	150	4·4	140	3·2	120	3·1	20	5·1	20	7·0	20	5·9	30	4·5	30	5·4	30	4·5	4·5	13
50	6·0	50	7·1	170	9·1	160	7·4	160	4·6	160	4·8	190	2·8	210	4·1	—	1·5	—	0·6	—	1·1	360	2·1	4·9	14
130	6·6	130	5·8	70	5·6	30	5·9	70	6·6	70	6·1	60	3·8	80	4·0	40	4·6	†	5·3	†	4·1	—	1·0	4·2	15
50	4·9	50	4·8	40	4·0	60	3·1	70	4·4	80	4·6	90	3·7	90	2·8	—	0·1	—	1·4	—	0·7	—	0·5	3·4	16
130	5·0	110	5·0	110	4·5	120	4·2	120	5·2	100	4·8	90	2·3	40	1·6	—	1·5	—	1·5	—	1·5	30	1·6	3·1	17
90	5·9	90	5·4	80	5·0	90	6·2	90	4·7	80	5·1	80	4·9	70	5·6	70	5·8	70	5·4	70	5·0	70	4·4	4·1	18
60	6·7	70	6·7	70	7·5	60	8·1	60	8·1	50	8·0	50	8·0	60	6·4	60	3·0	—	0·8	—	1·1	—	0·9	5·7	19
40	7·2	40	7·4	40	8·1	40	8·8	40	8·2	30	7·3	30	7·0	30	6·3	30	7·1	20	6·5	20	5·1	20	6·3	5·3	20
50	13·5	†	12·0	40	12·6	40	14·1	40	12·5	40	11·4	40	11·1	30	10·6	30	10·9	30	11·6	30	9·7	30	8·0	**10·3**	21
40	6·0	30	5·1	40	5·1	50	4·9	70	4·8	70	1·6	—	0·6	—	0·6	—	0·5	—	0·4	—	0·4	—	0·6	5·8	22
20	7·8	20	6·5	20	6·9	30	6·8	20	5·6	30	3·6	20	2·5	360	2·7	360	4·1	360	†	360	†	360	†	—	23
220	1·9	220	5·6	230	5·7	220	6·7	210	6·7	200	5·8	190	4·8	180	2·8	180	4·0	180	4·1	170	6·4	170	7·7	—	24
200	9·0	210	8·9	200	8·9	190	9·0	200	7·9	200	7·4	200	7·0	200	8·9	200	8·3	220	6·6	220	6·0	220	8·0	8·0	25
290	8·0	280	9·2	300	7·4	310	6·7	320	8·9	320	10·4	330	9·0	320	7·4	320	8·5	320	7·0	330	8·0	310	8·1	8·0	26
220	7·0	220	7·7	210	7·8	230	8·5	220	6·8	220	6·2	240	5·3	240	4·0	250	4·1	260	2·8	260	1·7	—	0·5	4·0	27
210	8·6	220	7·5	220	7·8	220	6·6	240	6·3	260	5·9	270	5·1	270	6·2	260	4·0	250	2·4	270	1·8	—	1·5	4·0	28
270	7·0	260	6·3	270	5·9	270	6·0	260	5·9	240	8·1	240	5·5	220	4·2	220	3·0	190	4·0	190	5·1	180	4·8	4·8	29
220	8·5	220	8·3	220	9·4	220	8·8	220	8·1	220	8·8	220	10·5	220	10·1	220	6·6	230	7·0	240	9·0	250	12·0	7·7	30
—	**7·0**	—	6·6	—	6·5	—	6·5	—	6·0	—	6·0	—	5·3	—	4·9	—	4·4	—	4·2	—	4·1	—	4·1	5·2	§

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

§ Mean for 27 days only, omitting 12th, 23rd, and 24th.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second.

185. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	250	12·4	250	10·4	240	10·4	240	9·8	240	10·8	240	11·3	240	11·0	230	8·0	230	7·5	230	8·6	230	7·5	230	8·0
2	—	0·9	—	1·5	260	4·2	240	1·8	200	2·1	—	0·7	260	3·4	280	5·0	270	3·5	270	3·0	270	2·4	—	1·5
3	360	1·6	—	0·8	—	0·4	—	0·3	—	0·3	—	0·3	—	0·6	210	2·8	210	3·3	240	4·6	240	5·2	220	6·3
4	—	0·1	—	0·1	—	0·1	—	0·1	—	0·1	240	2·8	220	4·0	200	3·1	200	3·8	220	7·2	210	8·5	220	9·6
5	200	4·5	200	3·9	200	3·7	210	3·5	210	4·1	210	6·0	210	8·4	210	8·6	210	6·8	210	6·1	200	7·4	210	8·4
6	—	0·4	—	0·6	—	0·6	—	0·5	—	0·6	200	3·4	250	4·1	240	5·1	270	5·6	270	3·2	260	5·0	240	6·0
7	270	2·5	—	0·5	—	0·8	—	0·5	—	0·5	—	1·1	—	1·5	250	4·4	260	4·4	260	4·7	250	5·5	240	7·4
8	240	5·8	240	5·1	240	5·7	240	5·8	220	5·8	190	4·9	210	5·0	220	6·1	230	6·0	250	6·5	260	7·0	270	5·6
9	—	0·4	—	0·3	—	0·3	—	0·3	—	0·3	—	0·4	—	0·3	—	0·3	190	1·8	—	0·6	—	0·5	300	5·1
10	350	6·6	340	6·4	330	7·1	320	5·7	—	0·8	310	2·9	290	2·7	280	4·8	260	5·2	270	6·8	250	7·5	240	7·8
11	250	7·5	300	8·4	300	9·0	300	6·9	300	4·9	300	4·9	330	5·5	340	8·4	340	8·6	330	9·5	340	9·6	340	10·8
12	300	7·9	290	8·6	290	8·4	280	6·5	290	6·9	280	8·4	280	9·6	280	9·9	300	10·0	290	8·9	280	8·0	280	7·8
13	210	6·3	210	6·5	210	6·7	220	6·7	230	6·5	240	5·1	240	4·1	250	3·3	300	3·1	330	2·6	340	2·9	340	3·6
14	290	6·5	290	8·7	290	8·4	300	5·9	—	1·5	190	2·2	220	3·6	220	6·4	220	8·1	220	8·0	220	9·0	220	10·3
15	230	4·2	—	1·0	—	0·9	—	1·0	—	0·4	—	0·4	—	0·2	—	0·6	220	3·3	—	0·3	—	0·6	180	3·0
16	330	2·8	330	3·5	350	5·7	350	5·5	340	6·3	330	6·7	320	7·2	310	5·5	330	4·0	330	5·7	320	6·2	310	7·0
17	320	4·6	290	5·0	300	5·6	280	2·7	300	4·5	300	6·8	300	9·7	290	12·1	290	10·1	290	14·4	300	13·1	290	12·4
18	—	0·5	350	2·3	350	2·6	—	1·0	—	0·5	—	0·7	310	1·7	290	3·8	290	2·8	290	3·4	280	3·5	270	4·0
19	250	5·6	240	6·0	240	6·0	230	6·9	230	6·5	230	6·7	220	6·3	230	5·0	220	5·0	230	6·8	250	5·4	260	5·9
20	220	5·7	220	7·3	230	7·4	230	7·3	230	6·0	230	6·6	210	7·6	210	7·8	210	9·7	220	9·5	220	9·1	220	10·0
21	270	8·9	270	9·0	270	12·0	270	9·7	240	4·8	230	4·4	250	5·0	260	6·1	270	7·2	270	8·0	270	8·5	270	8·0
22	—	1·1	—	0·4	—	0·3	—	1·1	—	0·2	—	0·5	—	1·4	50	2·4	60	2·4	—	1·0	50	2·8	50	5·0
23	50	1·8	40	1·9	—	1·2	30	2·5	50	3·2	40	3·0	30	4·5	30	3·4	30	2·4	—	0·8	180	2·2	40	2·9
24	—	0·4	—	0·5	—	0·5	—	0·4	—	0·3	—	0·4	300	3·0	290	4·7	280	5·1	270	6·6	260	7·8	270	8·3
25	250	5·9	260	5·6	270	5·2	250	6·1	260	4·9	300	5·0	340	5·8	350	6·1	350	6·5	350	6·2	350	6·5	360	5·4
26	350	8·1	350	9·5	340	8·0	340	8·0	350	10·6	360	10·1	360	9·4	360	7·4	360	7·6	360	7·4	350	8·0	360	8·9
27	30	4·1	30	4·6	30	5·0	20	4·0	20	4·9	30	5·5	40	6·5	40	7·3	40	8·4	40	8·4	30	7·7	40	9·1
28	20	5·3	30	7·4	20	7·5	20	7·9	20	10·2	20	9·1	20	9·4	30	9·6	30	9·8	40	12·1	40	10·7	40	10·5
29	30	7·9	30	5·4	30	6·6	20	5·6	20	5·6	40	7·1	30	7·4	30	6·9	40	7·4	40	8·3	40	8·4	40	8·6
30	20	3·5	20	3·3	20	3·8	30	4·1	30	3·7	30	5·0	40	6·7	40	7·2	50	7·4	70	7·3	50	6·4	60	6·1
31	20	2·5	20	2·0	30	2·5	30	2·5	30	2·9	20	3·8	20	4·1	30	4·8	30	6·1	30	6·7	40	7·0	40	6·3
Mean.	—	4·4	—	4·4	—	4·7	—	4·2	—	**3·9**	—	4·4	—	5·1	—	5·7	—	5·9	—	6·2	—	6·5	—	7·1

186. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	40	6·0	30	4·9	40	5·3	40	6·2	40	7·1	30	7·0	30	5·9	40	4·5	40	5·5	40	6·4	40	7·3	30	5·6
2	—	5·0	†	†	†	†	†	4·6	†	4·4	†	3·4	20	3·1	30	2·5	40	2·1	—	1·5	120	1·6	120	2·0
3	—	0·5	—	0·5	—	0·2	—	0·3	—	0·3	—	0·4	280	2·9	260	3·8	240	3·0	280	4·6	300	8·6	290	12·5
4	20	6·2	20	5·5	20	5·4	20	5·2	20	7·9	—	6·1	20	7·2	10	7·1	30	6·7	30	5·2	360	4·1	350	3·8
5	†	3·0	†	3·1	†	†	†	†	†	†	†	†	180	3·6	200	4·7	200	4·7	230	5·7	210	7·5	240	7·1
6	310	5·7	300	4·0	†	3·8	—	0·6	†	2·1	50	2·9	60	2·5	60	3·5	40	3·0	†	1·8	230	3·6	210	3·2
7	270	3·9	260	3·8	240	2·1	240	1·6	240	3·3	230	2·9	260	3·4	250	2·5	250	3·4	270	5·2	240	5·6	220	7·0
8	210	12·4	200	12·0	190	11·1	200	11·5	190	11·3	200	11·4	200	12·7	200	12·2	200	15·1	200	16·4	200	15·0	210	15·3
9	230	10·9	230	12·4	230	15·0	220	14·4	230	14·5	220	15·1	230	13·5	230	12·8	240	10·7	240	11·6	240	10·0	230	9·9
10	190	12·5	200	11·0	220	12·8	220	11·4	210	11·1	200	11·5	200	12·3	200	14·4	210	15·2	210	15·1	220	14·3	210	14·2
11	270	5·6	270	6·7	280	7·7	290	8·0	290	10·9	290	11·5	290	10·1	300	10·0	310	10·5	310	10·6	310	9·9	310	8·5
12	270	5·5	270	5·0	270	4·8	240	4·3	210	4·1	230	6·4	230	6·8	210	8·5	210	8·9	210	10·7	220	11·7	220	11·5
13	240	8·8	250	6·4	260	6·6	270	9·4	270	10·6	270	10·8	270	13·9	270	15·1	270	12·8	270	11·2	280	13·0	280	11·8
14	290	2·9	300	6·2	310	6·4	—	0·8	280	1·8	320	7·4	350	6·3	340	5·9	350	5·1	340	4·6	320	3·9	310	4·4
15	—	0·9	—	1·1	—	0·6	—	0·4	—	0·4	—	0·4	—	0·6	—	1·5	210	3·1	210	3·3	210	4·2	220	4·1
16	30	6·2	40	5·7	†	5·2	†	3·4	†	2·0	†	4·1	360	4·6	10	5·1	20	5·0	10	3·6	†	3·5	†	2·7
17	—	0·1	—	0·1	—	0·2	†	2·1	—	0·5	—	1·0	30	2·5	30	2·6	—	1·0	—	1·5	260	2·2	250	2·9
18	190	2·4	180	4·3	210	6·1	210	4·9	210	3·5	210	4·3	200	5·2	200	3·5	250	3·9	240	4·6	250	3·6	260	3·6
19	290	10·0	310	8·0	330	2·9	320	1·6	300	5·5	330	7·1	310	9·1	310	10·6	300	8·5	310	10·0	290	9·7	300	8·6
20	350	7·1	350	5·9	350	5·0	350	2·8	350	4·0	350	3·8	340	5·1	330	6·1	340	6·9	320	4·9	290	5·1	300	5·0
21	180	3·0	190	5·4	240	4·7	250	2·5	250	5·8	260	7·0	230	6·2	240	5·5	250	5·2	250	4·6	260	4·4	260	5·4
22	200	8·1	270	9·1	270	8·5	270	9·0	270	10·1	280	12·1	270	10·7	270	9·9	270	10·8	270	10·2	270	9·8	270	11·0
23	250	†	250	†	220	†	230	†	230	†	230	†	230	4·6	250	4·9	250	6·6	260	6·5	260	5·8	250	7·3
24	240	7·5	240	5·4	210	2·8	170	3·7	200	3·2	240	5·0	250	3·5	260	4·9	270	4·6	260	4·6	260	5·3	260	5·5
25	280	2·8	280	3·8	280	3·4	280	2·8	280	1·6	—	1·5	—	1·1	—	0·5	—	1·2	290	2·0	—	1·5	270	2·5
26	—	0·6	—	0·4	—	0·8	300	1·9	—	0·9	—	0·2	—	0·6	350	2·9	350	2·5	60	3·5	40	1·8	20	1·9
27	—	0·2	—	0·3	—	0·4	—	0·3	—	0·3	—	0·2	—	0·6	—	0·2	—	0·5	†	1·7	280	1·7	280	4·7
28	330	2·1	—	0·9	—	0·5	290	1·8	330	1·9	320	3·3	—	1·3	—	0·7	320	3·4	250	†	230	†	250	4·7
29	—	0·3	—	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·6	—	1·5	130	3·4	200	4·1	210	4·4
30	270	3·4	270	5·4	280	5·3	280	5·5	260	4·6	240	4·5	220	4·9	210	6·2	250	5·8	260	5·7	270	5·5	270	6·1
Mean ‡	—	5·0	—	5·0	—	4·7	—	**4·2**	—	4·7	—	5·3	—	5·7	—	6·0	—	6·0	—	6·3	—	6·4	—	6·6

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

† Defective record

‡ Mean for 25 days only, omitting the 2nd, 5th, 22nd, 23rd and 28th.

Averages for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

May, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
230	8·3	230	11·3	230	10·0	230	10·9	230	12·0	230	10·9	230	8·6	230	9·0	230	9·2	230	8·7	240	7·4	240	4·1	9·6	1
230	4·1	250	3·9	50	5·8	50	5·0	40	6·5	50	7·3	40	6·8	360	3·4	340	2·5	350	2·1	360	2·2	360	1·6	3·4	2
220	6·8	250	6·5	230	7·0	220	7·2	220	7·5	210	5·8	200	5·7	230	2·0	—	0·3	—	0·5	—	0·2	—	0·1	3·2	3
210	9·1	200	8·9	210	9·0	220	10·0	220	10·1	220	9·4	220	8·5	210	4·6	200	3·4	200	3·4	200	5·1	200	5·5	5·2	4
210	8·2	210	8·7	210	6·5	210	5·4	210	5·1	200	3·0	240	2·8	270	2·5	—	0·4	—	0·3	—	0·3	—	0·5	4·9	5
240	7·2	250	7·8	250	9·0	270	7·5	270	6·3	270	6·2	270	6·0	260	7·7	260	5·0	260	1·7	—	0·9	250	3·2	4·3	6
230	7·2	220	7·0	240	6·4	270	6·3	230	6·1	230	8·4	240	7·0	240	5·0	240	5·6	240	5·9	240	5·6	240	4·5	4·5	7
270	7·3	270	7·5	280	7·4	280	6·8	280	6·5	280	6·9	280	6·1	290	4·1	290	3·3	—	0·6	—	0·8	—	0·5	5·4	8
310	2·2	310	4·7	320	5·4	340	5·2	360	4·5	20	6·1	360	7·5	360	7·5	360	9·5	360	10·8	360	10·2	360	9·6	3·7	9
220	10·0	210	10·1	210	12·3	210	15·5	200	13·3	210	12·9	250	10·1	260	7·8	240	10·5	220	9·0	220	8·6	230	10·2	8·1	10
330	10·7	330	11·5	320	9·0	320	9·9	320	7·5	320	7·0	310	7·6	310	6·3	320	6·9	320	9·5	310	8·7	310	8·5	8·2	11
280	8·0	290	7·5	290	9·4	280	9·9	270	9·6	270	8·3	270	7·7	260	7·4	270	6·4	240	4·4	210	4·6	220	6·5	8·0	12
340	4·4	320	5·0	310	6·0	310	6·3	300	3·1	310	3·8	320	3·7	300	4·6	320	2·8	320	6·8	300	6·1	300	6·0	4·8	13
220	9·7	210	9·7	200	10·0	190	10·0	210	10·1	200	6·6	180	6·2	190	5·6	190	4·5	—	0·9	—	0·6	210	3·2	6·5	14
140	4·0	190	4·5	200	5·5	240	5·4	240	4·4	260	3·1	270	2·0	—	0·9	—	0·4	—	0·4	—	0·3	—	0·5	**2·0**	15
310	7·5	300	7·1	310	1·7	300	7·1	290	6·6	290	8·9	300	7·5	320	5·2	290	5·1	290	6·0	300	6·7	300	5·0	5·8	16
280	12·7	290	11·4	280	9·8	280	9·4	280	8·3	280	8·0	280	8·1	280	8·4	280	6·6	310	5·5	290	5·1	—	0·9	8·2	17
260	3·5	270	4·4	270	5·8	270	5·4	270	6·3	270	3·8	270	5·0	280	8·7	250	3·7	230	2·6	200	2·0	250	4·3	3·4	18
270	6·1	270	6·9	270	6·3	270	6·3	270	5·3	250	5·4	260	6·4	270	6·5	270	5·6	270	5·8	240	4·7	210	5·2	5·9	19
220	9·2	230	9·3	230	9·4	230	8·9	230	9·3	260	7·8	260	6·2	260	7·3	260	7·7	260	6·2	270	7·5	270	8·6	7·9	20
270	7·6	270	7·4	270	6·6	270	7·9	270	6·8	270	5·4	260	5·1	260	4·3	270	4·4	270	4·9	—	0·5	—	2·5	6·6	21
40	5·8	50	6·7	50	5·9	60	5·4	60	5·4	80	5·6	80	3·5	90	1·8	50	2·5	60	2·8	30	1·9	30	1·7	2·8	22
80	2·5	360	4·6	60	4·0	70	3·4	—	1·5	—	0·3	—	0·5	—	0·5	—	0·4	—	0·5	—	0·3	—	0·3	2·1	23
270	8·5	260	10·6	250	10·5	220	9·1	250	9·7	230	10·2	230	10·1	230	10·4	240	10·5	260	9·5	260	8·1	260	6·0	6·2	24
360	6·0	360	6·0	350	5·9	350	8·3	360	8·7	350	8·4	360	9·9	360	8·5	360	6·9	340	6·6	340	8·1	340	8·6	6·7	25
330	8·4	360	7·9	360	6·6	360	6·0	360	6·0	40	6·1	30	5·6	30	5·7	20	4·4	30	6·0	30	5·4	20	4·9	7·4	26
40	8·9	40	8·4	30	9·2	40	10·7	30	9·9	30	9·2	30	8·8	40	8·3	30	9·2	30	7·7	30	7·2	20	6·1	7·4	27
30	11·4	40	9·5	40	10·2	30	11·0	40	13·0	40	14·4	40	14·5	40	11·3	30	9·4	30	8·3	30	8·1	30	9·9	**9·9**	28
40	9·4	40	9·3	40	8·5	40	7·4	50	7·2	50	6·7	40	6·2	40	5·0	40	5·5	40	4·4	20	3·9	20	4·5	6·9	29
70	6·2	80	4·9	80	5·1	70	5·5	90	5·1	60	5·0	60	5·1	60	5·0	50	4·2	30	3·4	30	3·1	20	2·6	5·0	30
40	6·9	50	7·3	70	6·5	50	6·8	50	7·0	50	6·8	40	6·6	40	6·6	50	5·5	50	5·6	30	5·0	30	5·6	5·2	31
—	7·3	—	7·6	—	7·4	—	**7·7**	—	7·4	—	7·0	—	6·6	—	5·9	—	5·2	—	4·9	—	4·5	—	4·5	5·8	

June, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
30	5·5	50	5·8	50	5·9	40	5·3	40	5·2	50	5·0	40	4·6	40	3·0	30	3·4	†	4·5	†	4·0	†	5·0	5·4	1
170	2·1	200	3·4	10	2·8	160	3·2	220	5·6	210	4·7	260	4·1	—	0·8	—	0·5	—	1·1	†	3·0	†	1·7	.—	2
280	9·1	300	7·6	270	8·4	270	9·6	280	9·0	290	9·4	300	10·2	300	10·5	300	7·0	320	5·9	320	5·6	360	3·8	5·5	3
340	3·3	30	2·6	—	1·0	50	1·9	—	0·6	—	0·2	—	0·4	—	1·1	40	2·9	†	3·4	†	3·0	†	3·1	3·9	4
240	6·2	250	5·0	260	5·1	270	6·8	270	9·3	280	13·0	290	13·4	290	10·0	280	9·8	300	8·2	300	8·5	300	7·2	—	5
200	4·1	250	3·5	260	5·0	280	7·0	280	6·6	270	5·8	270	5·0	270	5·2	280	7·0	280	7·0	270	8·5	280	6·9	4·5	6
200	8·4	220	9·0	210	9·1	200	9·1	210	9·7	210	8·8	210	7·1	200	5·6	190	8·0	200	8·4	210	9·8	210	11·6	6·1	7
200	14·5	200	14·1	200	13·0	200	12·8	220	12·1	220	13·1	220	13·1	230	12·1	230	11·1	220	11·1	230	12·6	230	12·9	12·8	8
220	9·0	210	9·0	210	9·3	210	8·8	200	8·7	200	10·1	200	10·3	200	8·9	190	10·1	190	10·8	200	10·3	190	11·6	11·2	9
230	14·8	250	14·8	240	17·1	250	17·6	250	18·0	260	17·3	270	14·4	250	11·0	270	9·9	260	8·4	260	7·0	270	5·5	**13·1**	10
300	8·6	300	7·6	290	8·8	280	9·0	280	7·9	280	9·4	290	7·0	280	6·6	270	4·5	270	5·4	280	6·5	270	6·8	8·2	11
220	11·0	220	9·2	220	8·7	250	8·4	270	7·9	270	6·9	270	6·1	250	3·2	220	3·4	210	5·5	220	5·5	230	7·7	7·1	12
280	9·7	290	10·4	290	9·0	280	7·1	280	7·9	290	10·4	310	9·4	300	10·0	300	11·1	310	10·2	320	8·7	290	6·6	10·1	13
320	4·1	320	4·1	290	3·5	300	3·1	290	4·8	280	7·2	290	7·6	360	2·5	360	1·6	360	2·8	360	2·4	—	1·3	4·3	14
220	4·7	220	5·9	220	5·8	220	7·6	210	5·6	270	7·2	280	8·3	310	6·7	310	7·1	310	7·0	320	5·0	350	5·5	4·0	15
310	2·3	300	1·9	290	3·6	310	2·4	—	1·3	310	2·8	310	3·5	20	3·5	50	2·1	—	0·2	—	0·1	—	0·2	3·2	16
240	4·4	220	6·5	200	5·8	200	4·5	240	4·4	270	4·1	270	4·4	250	3·5	230	2·1	200	2·6	190	3·8	190	4·9	2·7	17
290	5·1	280	5·2	270	5·3	270	5·0	270	5·4	280	5·5	270	6·4	250	3·1	270	4·1	270	6·5	270	7·2	290	7·7	4·8	18
280	8·0	290	7·8	290	8·7	290	8·0	290	7·0	290	8·7	300	8·6	320	7·9	330	7·2	330	7·4	350	7·9	350	5·6	7·7	19
320	4·6	300	5·3	310	5·2	300	4·5	290	5·0	290	3·7	280	1·8	270	2·4	280	4·0	300	5·4	290	9·2	300	5·5	4·9	20
260	5·7	260	6·5	260	6·1	260	8·7	260	8·0	270	8·2	270	6·6	270	8·6	260	9·0	260	6·2	260	5·7	260	7·5	6·1	21
270	10·6	270	10·6	260	10·4	260	9·8	260	9·7	260	8·2	250	6·5	250	5·4	260	5·5	260	5·6	260	†	250	†	—	22
260	6·8	260	5·6	260	6·8	250	6·5	250	5·0	260	5·0	250	2·5	240	2·8	240	3·7	230	4·6	230	3·8	240	6·0	—	23
260	7·6	260	7·2	270	7·9	270	8·0	270	6·4	270	7·0	270	6·1	270	6·5	270	6·7	270	7·2	270	4·2	280	3·4	5·6	24
240	3·8	220	4·6	230	3·4	290	3·1	290	4·9	300	4·0	—	1·5	320	2·1	—	0·4	—	0·5	—	1·0	—	0·2	2·3	25
340	2·1	†	2·0	†	1·9	—	1·3	—	1·3	70	1·9	—	1·4	—	1·2	350	3·8	350	1·6	—	1·0	—	0·4	**1·6**	26
290	5·0	280	4·9	310	5·1	310	4·1	330	2·1	330	2·5	—	1·5	—	0·4	—	0·2	—	0·2	330	3·5	330	1·7	1·7	27
260	4·6	270	3·6	270	2·2	240	2·2	250	3·6	240	5·0	240	4·2	230	3·4	—	1·3	—	0·0	—	0·1	—	0·0	—	28
210	4·8	190	5·1	180	6·2	180	6·0	180	6·8	180	6·0	250	4·3	260	4·8	260	4·0	270	4·4	280	3·3	—	1·5	3·0	29
270	6·4	280	6·2	270	6·5	260	5·4	250	4·9	260	5·1	260	5·2	270	5·0	270	6·1	270	4·0	—	1·5	—	1·5	5·0	30
—	6·7	—	6·7	—	**6·8**	—	6·7	—	6·5	—	**6·8**	—	6·2	—	5·4	—	5·5	—	5·5	—	5·5	—	5·1	5·8	‡

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). *Speed in metres per second.*

187. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	320	2·6	310	4·0	†	1·8	—	1·0	—	1·4	290	4·9	290	4·6	290	5·0	270	5·4	260	5·6	250	4·3	250	3·0
2	200	4·1	200	5·4	200	3·5	200	3·2	200	4·4	200	5·5	200	6·4	220	6·5	220	7·5	210	7·6	210	8·6	200	8·5
3	220	8·7	220	7·1	220	7·6	220	7·3	220	8·5	220	8·7	210	8·3	180	8·9	180	9·6	190	8·4	190	6·2	190	6·8
4	190	2·5	190	2·4	190	3·9	190	3·5	190	4·2	190	2·8	190	4·4	190	5·2	190	5·1	200	4·9	200	3·9	200	4·4
5	200	3·5	200	3·6	200	5·1	200	6·1	200	5·8	200	7·0	200	6·2	190	6·0	190	6·1	190	7·2	190	7·0	190	6·6
6	330	3·2	330	3·5	330	2·6	330	1·9	330	2·5	330	2·7	—	1·1	—	0·2	—	0·1	120	2·6	120	3·7	120	3·7
7	360	4·4	360	3·5	360	2·3	360	2·5	360	3·4	360	3·0	360	2·4	360	2·4	360	2·6	350	2·4	—	1·5	250	7·6
8	150	2·7	150	2·8	150	3·1	150	2·5	150	1·7	190	2·9	200	3·0	190	2·6	190	3·6	200	3·6	200	4·0	200	4·6
9	—	1·1	—	1·0	—	1·1	—	0·1	—	0·5	190	1·7	190	2·0	190	4·3	180	5·0	180	5·0	180	6·1	180	6·7
10	—	1·0	350	1·6	—	1·4	—	1·5	350	1·6	—	1·5	—	1·1	350	3·3	360	5·3	360	4·7	360	5·5	360	8·4
11	360	2·4	360	2·4	—	0·6	360	2·2	360	3·5	360	3·1	20	3·4	30	3·0	60	3·4	†	2·2	†	1·8	—	0·2
12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	190	3·4	190	5·5	210	6·2	220	7·6
13	—	0·3	†	1·9	†	3·1	†	1·6	—	0·7	†	1·8	†	3·4	30	3·5	60	3·8	80	2·3	40	3·7	†	3·9
14	†	3·1	†	3·9	†	3·6	†	5·0	†	4·7	†	3·5	†	3·1	20	4·1	30	5·6	70	6·4	80	6·3	80	5·9
15	—	1·4	—	0·5	—	0·2	—	0·2	—	0·1	—	0·0	—	0·0	—	1·5	190	2·8	200	4·9	200	5·4	200	5·7
16	220	5·0	220	4·4	270	4·5	260	4·6	240	4·0	260	4·7	260	5·9	270	6·3	260	6·3	270	6·5	270	6·9	240	9·0
17	210	4·1	220	4·5	220	4·2	220	4·7	210	5·2	220	4·2	220	7·0	230	8·5	250	8·9	230	8·7	230	9·9	230	10·0
18	260	3·0	260	4·1	240	2·8	220	1·7	210	2·0	240	3·7	240	5·0	260	4·6	270	5·0	280	3·6	280	3·9	260	5·3
19	230	2·0	—	1·5	—	1·4	210	1·8	210	4·4	220	5·3	200	5·5	210	8·5	210	9·4	200	8·4	220	10·2	210	10·7
20	240	8·6	250	8·7	250	10·5	240	9·0	250	9·1	270	9·9	260	9·6	260	9·4	270	8·6	270	9·7	270	9·5	270	9·5
21	220	10·0	230	11·9	240	11·7	270	9·9	270	6·6	270	8·4	270	7·0	270	6·7	270	5·7	250	6·7	240	6·4	240	7·4
22	240	7·2	220	6·5	240	8·6	240	10·5	240	7·9	230	7·2	240	7·0	230	7·5	230	7·3	220	7·1	230	7·9	240	8·0
23	220	13·0	220	10·5	220	10·1	210	10·0	210	10·0	250	7·6	250	6·5	270	6·3	270	6·9	270	7·3	270	7·0	270	8·9
24	290	6·3	280	5·9	270	3·8	270	2·6	250	2·3	260	3·1	270	3·1	270	4·3	280	5·8	280	7·1	280	5·7	270	6·5
25	—	0·7	—	1·4	—	1·5	240	4·2	260	3·5	230	3·0	240	5·0	250	5·8	260	6·5	270	6·2	270	7·8	270	7·0
26	250	10·2	250	10·7	260	10·4	260	9·6	260	9·4	260	9·5	260	8·6	270	10·0	270	11·4	270	12·6	270	12·9	270	10·9
27	†	8·3	†	7·4	†	4·4	—	0·8	—	1·0	—	1·5	—	0·8	—	1·4	190	1·6	190	4·0	190	4·7	200	4·5
28	—	1·5	†	1·6	†	2·3	†	1·9	†	2·2	—	1·5	†	1·8	†	3·4	†	3·8	†	3·0	†	3·1	†	3·0
29	—	0·9	—	0·8	—	0·4	—	0·1	—	0·0	—	0·1	—	1·4	170	2·6	†	3·5	190	3·8	190	4·9	180	4·6
30	210	2·9	160	1·8	—	0·5	—	0·8	240	3·5	260	2·9	240	5·1	250	6·1	240	6·2	220	5·3	190	5·6	190	5·1
31	180	5·6	190	5·0	210	4·4	230	3·4	250	2·9	270	3·4	260	2·9	250	3·6	250	3·1	260	3·3	260	3·0	210	3·0
Mean ‡ ...	—	4·3	—	4·3	—	3·9	—	**3·7**	—	3·9	—	4·1	—	4·3	—	4·9	—	5·5	—	5·8	—	6·0	—	6·4

188. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	280	2·6	270	1·8	270	2·6	260	2·6	—	1·5	260	2·6	260	5·9	260	5·6	250	4·6	260	5·2	250	5·9	250	5·7
2	†	†	†	†	†	†	†	†	†	†	†	†	†	†	†	1·9	120	4·4	120	5·0	110	6·1	110	7·4
3	200	12·5	210	10·4	230	10·1	230	10·7	230	11·7	230	10·7	230	12·5	220	12·7	220	13·0	240	12·2	240	11·6	250	11·3
4	190	2·6	220	3·4	210	5·1	210	4·3	230	4·8	240	4·4	220	3·7	230	5·2	230	4·0	240	5·0	250	5·5	240	5·0
5	—	0·1	—	0·7	—	1·0	300	1·9	310	1·9	—	1·0	—	1·5	—	1·5	120	3·6	140	4·2	140	6·6	160	7·0
6	210	3·5	200	3·7	200	3·8	200	2·4	—	0·2	190	2·9	190	3·7	190	4·3	190	4·9	200	7·6	200	8·8	190	8·8
7	180	6·2	180	7·0	180	7·8	180	6·6	180	7·4	190	8·0	190	8·5	190	8·7	190	8·2	200	8·0	200	8·1	200	8·8
8	—	0·3	—	1·5	—	1·5	—	1·4	—	1·4	—	0·5	—	0·3	—	1·0	—	1·5	170	2·8	170	4·3	180	4·5
9	190	7·8	190	7·1	190	5·5	180	5·4	190	5·7	200	5·4	210	3·6	190	3·9	200	5·5	210	4·8	200	6·6	200	7·4
10	250	2·8	240	2·4	220	3·2	210	2·9	190	3·2	190	2·8	190	4·5	210	5·2	220	6·3	240	6·5	240	7·0	250	6·2
11	240	2·3	—	1·1	210	1·9	240	2·8	240	4·5	230	2·9	240	3·0	240	3·6	240	4·0	250	3·6	250	4·0	250	4·4
12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·0	—	0·0	—	0·1	—	1·4
13	210	5·3	200	5·5	190	5·4	190	6·6	190	6·3	190	4·3	190	4·4	200	3·5	200	4·5	220	4·0	200	3·2	210	4·5
14	—	1·0	—	1·0	—	0·7	130	1·6	—	1·0	—	0·9	240	2·5	240	4·3	240	3·0	230	3·5	220	4·3	220	5·5
15	230	2·0	270	2·2	270	2·9	260	4·1	270	5·2	260	2·5	250	2·0	250	3·8	250	4·1	270	5·8	270	6·7	260	7·9
16	270	8·4	270	8·5	260	5·5	230	2·7	260	3·0	260	5·4	260	4·7	260	4·8	270	5·5	280	5·1	280	5·4	280	6·2
17	200	4·7	200	5·6	†	†	†	†	†	†	†	†	230	6·8	250	7·0	250	6·3	250	7·1	260	6·8	250	7·5
18	260	4·0	280	4·8	270	3·7	280	4·5	270	4·5	270	3·9	260	2·0	280	3·5	290	4·0	300	4·8	300	4·7	320	5·5
19	270	2·5	280	4·5	280	4·1	270	2·5	250	2·5	260	2·3	260	2·5	270	3·5	270	3·2	280	3·8	280	3·1	280	3·2
20	240	2·0	—	0·8	—	1·3	—	1·0	—	1·2	—	0·7	—	0·3	220	2·0	220	2·0	210	3·1	210	2·8	210	2·8
21	160	4·4	170	4·8	200	8·0	200	11·6	200	13·0	200	14·1	200	16·4	200	18·5	200	17·5	210	17·7	230	12·6	260	10·5
22	230	6·0	220	6·0	230	5·5	220	5·7	230	5·6	220	7·4	230	7·5	230	7·3	240	8·6	†	†	†	†	†	†
23	240	9·0	240	10·3	250	8·6	240	7·6	230	5·1	220	6·0	220	6·5	220	6·5	230	6·8	230	7·5	230	5·2	210	4·2
24	†‖	†	†	†	†	†	†	†	†	†	†	†	†	—	0·0	240	2·8	280	5·1	290	5·1	290	5·6	300	5·6
25	†‖	†	†	†	†	†	†	†	†	†	†	†	†	—	0·4	220	3·5	200	3·9	210	5·8	220	6·7	200	7·0
26	220	6·6	220	4·6	210	4·8	220	8·4	210	8·5	210	8·0	210	8·5	220	9·1	210	8·8	220	10·0	230	12·0	230	12·9
27	230	6·5	230	5·3	230	5·7	220	6·6	230	7·5	220	8·2	220	9·2	220	8·2	220	8·6	220	10·3	210	9·8	210	10·4
28	220	5·6	220	6·0	220	5·0	230	5·6	230	5·6	230	5·6	240	6·6	240	6·4	250	5·4	270	4·8	280	6·9	280	7·0
29	—	0·5	—	0·2	—	0·1	—	0·3	—	0·4	—	0·5	—	0·7	—	0·6	150	2·1	140	4·0	130	4·3	130	4·2
30	310	11·0	310	10·8	300	8·1	300	7·9	290	7·9	290	8·8	290	9·8	280	9·5	280	7·4	280	8·0	280	7·3	270	8·7
31	230	4·6	240	4·8	250	4·6	250	3·5	—	0·2	—	0·9	160	2·0	140	2·5	140	3·1	140	1·7	140	2·3	170	2·4
Mean § ...	—	4·2	—	4·1	—	3·9	—	4·0	—	4·0	—	3·9	—	4·3	—	4·7	—	4·9	—	5·4	—	5·9	—	6·3
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

† Defective record. ‡ Mean for 30 days only, omitting 13th. § Mean for 24 days only, omitting 2nd, 17th, 21st to 25th.

Average for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

July, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
250	4·5	250	4·8	250	4·6	250	5·7	270	8·1	270	6·4	260	4·0	250	4·0	250	5·1	250	3·2	230	3·0	200	4·6	4·2	1
200	8·3	210	8·0	220	8·0	220	8·0	220	6·6	210	5·9	200	7·6	180	8·1	180	8·6	190	9·3	220	10·5	220	10·0	7·0	2
190	7·5	220	6·9	210	5·5	210	4·4	210	5·4	200	5·8	190	6·1	190	5·0	190	5·2	190	4·2	190	3·4	190	2·9	6·7	3
190	7·9	190	8·9	190	8·4	190	9·0	190	7·5	190	6·7	190	5·8	190	5·1	190	5·0	200	5·5	200	4·2	200	3·5	5·2	4
190	6·4	190	4·8	190	3·6	190	2·9	190	2·2	190	3·0	—	1·5	—	0·4	—	0·0	—	0·0	—	0·0	—	0·5	4·0	5
100	4·1	100	4·5	120	4·3	140	4·2	140	4·0	140	4·6	130	2·5	130	1·6	—	0·5	—	1·5	360	2·5	360	3·7	2·7	6
—	1·2	—	0·9	—	0·0	—	0·0	210	2·2	—	1·2	—	0·7	—	0·0	—	1·0	200	3·3	170	3·1	150	1·9	2·3	7
200	5·5	200	5·6	200	6·1	190	7·2	190	7·5	190	7·1	190	6·0	190	4·5	190	3·7	190	2·5	—	1·3	—	1·5	4·0	8
210	5·0	210	3·3	210	2·5	200	2·4	—	1·4	—	1·4	—	0·2	—	0·0	—	0·2	—	0·3	—	0·5	—	0·5	**2·2**	9
360	7·9	360	5·0	360	3·6	360	4·6	360	4·6	360	3·4	360	2·5	360	3·0	360	4·0	360	4·0	360	3·7	360	4·7	3·6	10
180	1·7	210	3·4	230	4·5	210	4·9	200	5·2	190	3·1	—	1·4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2·3	11
220	7·4	210	6·8	220	6·1	220	5·7	230	5·0	290	4·1	310	2·6	320	1·6	—	0·2	—	1·3	—	0·7	—	0·4	2·7	12
†	†	†	†	†	†	†	5·5	†	6·0	†	7·0	60	6·7	30	†	†	†	†	3·4	†	3·9	†	3·6	—	13
80	4·9	80	4·0	70	4·7	70	4·7	80	4·5	60	5·0	60	3·9	60	3·4	60	2·2	60	2·8	60	2·1	—	1·0	4·2	14
200	7·1	200	7·0	200	6·7	200	5·9	200	5·6	200	7·0	210	6·3	210	6·5	210	6·0	210	4·7	210	4·4	210	4·1	3·9	15
240	8·2	240	9·4	220	9·1	220	10·4	220	8·0	220	8·4	210	7·3	210	5·2	220	5·0	230	5·9	230	5·5	220	4·0	6·4	16
250	9·4	230	10·1	210	10·3	230	8·6	220	6·6	220	7·3	210	3·4	220	4·5	230	5·5	230	3·5	210	3·4	240	4·1	6·5	17
270	5·4	260	4·2	270	5·1	270	5·4	270	5·5	270	5·0	260	4·5	250	3·1	—	1·5	250	3·2	250	3·4	230	2·6	3·9	18
210	9·6	210	8·6	240	7·0	270	8·9	270	9·5	270	7·0	240	5·5	230	5·8	220	5·2	220	5·9	220	7·6	240	8·0	6·5	19
250	10·2	250	10·0	240	12·2	230	11·5	220	11·5	220	11·0	220	12·6	220	12·0	220	11·3	220	10·4	210	9·9	220	10·9	10·2	20
210	9·1	210	9·6	210	8·9	220	8·3	220	7·9	220	6·2	270	4·0	260	4·1	260	2·7	230	3·0	250	7·5	240	9·0	7·5	21
230	8·1	220	7·6	220	7·9	220	9·0	230	8·5	220	8·8	220	8·8	210	6·5	210	6·9	210	7·9	230	9·9	220	12·9	8·1	22
270	7·0	270	7·4	270	6·9	270	6·3	270	5·0	270	5·0	270	4·0	280	5·4	270	4·2	270	3·9	280	5·0	290	5·1	7·2	23
270	6·8	260	6·6	250	7·9	240	7·7	220	8·6	210	6·8	210	4·4	210	5·5	200	3·1	200	3·5	210	4·5	220	2·0	5·2	24
270	7·5	270	8·3	270	11·4	270	10·1	270	11·6	270	11·0	270	11·2	270	7·6	270	7·4	270	8·0	250	7·5	240	8·1	6·6	25
270	11·8	270	12·8	270	13·7	270	12·5	280	14·9	310	14·8	310	13·5	310	13·2	300	9·3	†	6·5	†	4·5	†	6·2	**10·9**	26
190	5·4	190	6·6	180	6·9	180	6·7	180	5·6	190	4·6	180	2·4	—	1·4	—	0·4	—	0·8	—	0·3	—	0·3	3·5	27
†	3·1	†	3·3	†	3·5	†	4·0	†	5·0	†	4·1	†	3·5	†	3·0	†	2·7	†	2·5	†	2·5	†	2·0	2·8	28
210	5·9	180	6·5	180	7·2	180	6·7	190	6·7	190	6·1	200	5·6	190	5·3	190	4·6	190	4·5	210	4·0	210	3·3	3·7	29
180	7·4	180	9·4	170	7·7	170	7·4	170	7·5	180	5·6	170	4·0	170	2·7	120	2·4	110	1·1	130	5·1	160	5·0	4·6	30
220	4·1	220	4·0	—	1·5	240	2·0	170	3·0	220	4·7	—	1·4	—	1·4	—	0·8	—	0·5	290	3·0	310	2·4	3·1	31
—	**6·6**	—	**6·6**	—	6·5	—	6·5	—	6·5	—	6·0	—	4·9	—	4·3	—	3·8	—	3·8	—	4·1	—	4·2	5·1	‡

August, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s	
250	7·3	250	5·9	250	7·0	250	5·4	220	5·2	210	5·0	230	6·0	230	4·8	240	3·6	240	2·6	—	0·2	—	0·2	4·2	1
110	8·4	110	10·9	110	11·1	120	9·9	130	7·5	150	9·0	140	11·1	160	16·1	170	18·7	180	16·4	190	15·1	200	15·0	—	2
250	12·4	250	11·8	250	11·4	250	9·9	250	7·5	250	6·3	250	5·5	250	7·8	250	6·6	250	7·2	250	6·7	240	4·2	**10·1**	3
230	5·5	210	5·3	190	5·0	190	6·3	180	6·0	190	4·5	190	2·5	190	2·0	—	1·0	—	0·1	—	0·3	—	0·0	3·9	4
170	5·7	160	4·7	180	5·2	230	5·2	200	2·4	180	1·8	190	1·8	180	2·1	190	2·9	200	3·5	220	3·6	220	3·5	3·0	5
200	10·0	190	9·5	190	9·0	190	7·2	190	7·1	190	7·7	180	7·3	180	7·3	170	6·3	170	4·5	180	6·5	180	6·8	5·9	6
200	9·0	210	8·3	200	8·2	210	7·0	190	5·5	250	4·5	260	4·5	240	4·5	260	1·9	230	3·0	200	1·8	190	2·2	6·5	7
180	4·8	190	7·6	190	8·8	180	8·2	190	10·0	190	9·8	180	10·3	190	9·9	190	9·5	180	9·4	190	7·9	190	8·3	5·1	8
220	5·4	250	5·3	250	5·3	250	5·0	260	5·7	280	4·5	280	2·6	—	1·0	—	1·2	190	2·0	250	3·0	240	1·9	4·8	9
250	6·2	250	6·7	250	7·3	250	7·2	250	6·7	250	5·1	240	3·8	250	4·5	240	2·4	—	1·2	230	3·0	240	2·5	4·6	10
†	4·0	250	4·1	260	3·3	260	3·4	260	3·5	270	3·2	230	1·8	—	0·6	—	1·3	—	0·9	—	1·4	—	0·1	2·8	11
190	5·1	180	4·4	190	3·8	190	3·4	190	2·6	180	2·0	—	0·7	—	0·4	—	1·0	180	2·5	180	4·8	190	5·2	**1·5**	12
210	4·6	230	5·2	250	5·5	250	4·7	250	4·0	240	3·3	230	2·3	210	2·1	—	0·9	220	1·8	210	3·3	—	1·3	4·1	13
230	6·3	250	4·3	250	5·6	260	5·0	250	4·8	270	5·4	270	4·2	270	2·5	270	2·2	280	1·6	—	1·3	—	1·1	3·1	14
270	7·0	270	7·4	270	8·0	270	7·7	270	7·5	270	8·2	270	7·1	260	6·5	250	6·6	240	4·0	250	4·8	270	8·3	5·4	15
280	5·5	280	5·1	280	5·1	280	4·3	270	5·5	260	4·9	260	4·0	240	6·2	220	5·8	230	6·5	220	5·1	220	5·8	5·4	16
250	7·2	250	7·1	270	6·2	280	6·1	270	5·6	270	6·2	290	5·4	280	3·5	270	3·5	270	4·7	250	4·5	250	4·5	—	17
310	5·3	320	5·6	320	5·0	310	4·2	340	4·0	350	2·2	—	0·6	—	0·3	—	0·1	—	0·0	—	0·0	—	1·5	3·3	18
260	4·0	240	4·0	230	3·3	210	4·0	220	3·2	230	3·9	240	4·4	230	2·5	210	2·1	200	2·6	—	1·2	230	1·9	3·1	19
210	3·0	210	3·0	210	2·9	200	4·1	210	3·3	210	3·0	—	1·3	200	3·3	210	5·3	200	6·5	190	5·8	180	3·5	2·7	20
260	11·7	260	11·3	250	13·8	250	14·7	250	14·4	250	12·0	250	12·6	250	13·1	†	†	†	†	230	5·7	210	4·3	—	21
†	†	250	9·4	260	11·3	260	9·6	260	10·4	270	8·7	270	7·5	260	8·0	250	8·0	230	6·3	230	6·2	230	6·9	—	22
180	3·5	170	3·1	150	4·5	150	5·2	140	5·0	150	7·2	140	6·6	†	†	†	†	†	†	†	†	†	†	—	23
300	7·5	330	7·5	340	8·0	350	7·1	350	4·8	340	2·7	330	4·9	330	3·4	†	†	†	†	†	†	†	†	—	24
200	8·3	200	9·7	190	9·0	180	8·7	180	8·6	180	10·5	190	11·1	200	11·0	210	10·9	210	10·0	220	10·3	220	9·6	—	25
230	13·2	230	12·7	210	9·5	200	12·6	210	12·8	200	10·2	200	8·2	210	9·0	210	9·0	210	6·0	220	7·8	230	7·2	9·2	26
210	9·8	210	9·2	210	8·1	230	7·1	230	6·6	240	5·3	—	1·5	250	2·9	240	4·3	220	5·8	240	5·8	240	6·1	7·1	27
280	7·5	280	7·7	280	8·6	280	8·5	280	6·2	280	4·3	240	2·1	240	3·8	240	2·5	220	1·7	190	2·0	—	1·0	5·4	28
100	3·5	60	4·1	50	4·5	60	5·4	40	5·8	20	7·5	10	7·7	10	7·3	350	7·1	340	9·1	330	9·4	320	10·1	4·0	29
280	8·8	280	7·7	270	7·4	260	8·1	260	7·6	270	5·8	240	5·6	230	5·0	230	6·5	240	8·5	210	4·0	220	3·9	7·8	30
190	2·9	150	2·8	—	1·3	—	0·6	—	0·4	—	0·5	—	0·6	—	0·4	—	0·2	—	0·5	—	0·4	—	0·0	1·9	31
—	**6·5**	—	6·3	—	6·2	—	6·0	—	5·6	—	4·9	—	4·0	—	4·0	—	3·8	—	3·8	—	3·7	—	**3·6**	4·8	§

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

† Defective record.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second.

189. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·1	—	1·0	350	1·7	330	2·0	350	3·4
2	†	†	†	†	†	†	†	†	†	†	†	1·0	†	2·2	†	3·8	†	3·9	—	1·5	310	2·5	†	2·5
3	—	0·1	—	0·2	—	0·2	—	0·1	—	0·1	—	0·4	—	0·3	—	0·1	—	1·5	220	5·1	230	6·5	230	6·5
4	190	9·4	200	8·9	230	7·0	300	5·5	320	3·1	300	4·5	320	5·9	300	5·4	290	5·4	300	6·7	300	5·0	290	7·6
5	220	6·1	230	7·0	230	9·1	220	10·0	220	9·9	220	10·0	220	9·2	240	10·0	250	10·7	270	9·8	270	9·6	260	7·6
6	220	3·1	260	5·9	260	7·4	250	6·6	250	5·6	230	3·9	210	5·1	210	6·5	220	6·5	220	6·4	220	6·7	220	8·1
7	220	10·0	230	8·9	250	6·5	270	5·1	270	5·3	280	4·4	290	5·0	290	4·5	290	3·5	280	4·3	280	6·5	280	7·5
8	240	1·6	†	†	†	†	†	†	†	†	†	†	†	†	190	0·8	180	4·1	210	6·8	230	7·7	220	8·8
9	220	6·5	220	6·6	220	7·7	220	6·8	210	6·2	210	6·6	200	8·0	210	8·7	200	8·0	210	10·0	210	11·3	210	11·5
10	200	2·0	150	2·0	150	2·0	150	2·1	180	2·1	180	1·6	200	3·4	210	3·7	230	3·4	270	5·7	270	6·6	270	5·6
11	230	5·3	220	5·3	210	5·4	220	6·5	220	6·5	210	6·5	210	6·7	230	9·6	230	9·5	220	11·0	230	11·3	220	11·7
12	230	12·1	230	13·1	230	11·7	240	10·8	240	12·8	230	13·6	230	11·8	250	10·3	250	10·5	260	14·2	260	15·0	250	14·5
13	70	1·9	60	2·0	60	2·0	60	2·0	60	2·0	60	2·0	40	2·0	360	2·9	360	3·0	10	2·4	20	2·8	110	4·9
14	170	10·2	200	7·9	230	4·9	220	4·2	200	5·0	200	3·5	210	5·0	230	6·7	220	6·7	220	7·1	220	8·9	220	8·7
15	†	†	†	†	†	†	†	†	†	†	†	†	220	4·6	230	5·6	210	7·3	210	6·0	210	6·2	230	5·9
16	180	2·8	220	6·0	210	5·9	210	6·4	220	7·4	220	7·1	240	6·6	240	5·8	260	5·9	270	6·2	270	6·7	270	7·5
17	190	4·4	190	2·8	190	3·9	190	4·0	190	5·2	190	5·5	170	8·3	170	10·0	170	11·2	160	10·6	170	9·0	180	10·1
18	—	1·1	—	0·1	—	0·0	—	0·0	—	0·1	—	0·1	—	0·1	—	0·1	—	1·0	270	4·1	270	5·0	260	5·0
19	260	4·6	250	3·1	240	3·6	230	3·4	210	2·2	220	3·9	230	6·3	230	6·6	230	7·6	220	7·9	210	8·1	210	8·0
20	170	2·8	240	6·0	230	5·7	190	4·2	210	5·6	210	6·6	210	8·9	220	7·6	230	7·1	260	7·1	290	8·4	300	8·9
21	180	1·7	180	2·0	190	2·5	190	2·5	—	0·9	—	0·4	—	0·3	260	2·5	270	3·0	280	3·4	300	2·8	320	3·7
22	190	4·6	180	4·5	230	6·9	220	9·8	240	10·6	240	8·9	230	6·5	230	8·0	230	9·2	220	9·4	220	8·9	240	7·6
23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	—	0·2	—	1·2	140	2·5	220	3·2	230	3·3
24	—	0·7	—	0·1	—	0·1	—	0·2	—	0·7	280	1·8	—	0·8	—	0·7	—	0·5	180	4·0	†	†	180	4·6
25	100	8·1	100	7·9	110	8·2	130	5·8	120	3·8	130	3·4	130	3·9	130	5·8	150	7·0	170	8·0	190	8·6	210	9·5
26	260	8·9	260	6·3	260	5·6	250	5·0	250	4·9	230	4·5	230	5·6	220	5·1	240	5·5	250	8·2	260	6·2	260	8·0
27	230	7·6	220	6·5	220	6·5	210	7·5	210	9·5	210	9·2	220	12·5	210	10·9	210	10·4	200	11·9	200	13·4	†	13·8
28	240	13·0	230	15·4	230	19·5	240	19·3	230	14·9	220	7·4	240	7·5	260	6·5	260	5·3	260	3·5	270	5·6	260	5·2
29	220	2·0	180	2·4	200	1·9	200	2·0	200	2·4	200	2·9	—	1·5	210	3·0	210	3·9	200	3·7	210	4·9	210	4·6
30	190	3·8	180	5·6	190	6·6	200	8·8	210	9·1	210	8·6	200	6·4	200	5·5	200	6·1	220	8·5	230	10·1	210	9·3
Mean‡...	—	5·1	—	5·3	—	5·7	—	5·6	—	5·4	—	5·1	—	5·5	—	5·8	—	6·1	—	7·1	—	7·6	—	7·9

190. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	210	5·7	210	5·0	210	5·0	†	4·6	†	5·0	†	5·4	280	3·6	280	6·2	270	8·5	280	7·6	290	7·8	280	7·4
2	230	9·6	230	11·2	220	11·8	230	14·5	240	16·0	260	15·4	270	13·2	280	4·1	280	6·5	290	8·9	290	9·9	280	8·0
3	230	3·1	240	3·1	230	2·2	210	3·1	230	2·0	—	0·9	—	0·4	—	0·4	—	0·4	20	2·5	30	4·4	360	3·8
4	360	5·0	360	5·0	360	7·0	360	7·1	360	6·4	360	3·1	360	3·0	360	5·4	360	6·5	360	5·4	20	5·0	20	5·5
5	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·4	190	4·1	200	6·0	210	6·3	210	8·5
6	230	6·6	240	7·1	230	5·5	220	7·1	210	6·7	210	6·2	210	7·5	220	8·0	220	9·5	250	9·7	260	8·4	260	8·2
7	240	6·7	240	8·1	240	5·8	210	5·8	230	8·5	220	9·3	220	9·9	220	10·6	230	12·3	220	13·1	220	12·0	230	13·6
8	270	6·5	260	4·0	260	4·8	170	2·1	210	1·8	180	3·5	180	3·9	190	2·2	230	4·6	260	5·3	270	7·5	270	6·0
9	220	12·4	220	10·3	220	10·9	260	10·6	260	10·5	260	10·6	250	13·2	250	13·0	250	13·6	260	15·0	250	15·4	250	16·4
10	240	9·1	230	8·1	230	8·6	230	9·5	240	9·3	230	8·6	220	9·0	220	9·0	220	10·1	220	10·3	230	9·2	220	9·4
11	270	7·2	270	7·6	270	8·0	270	8·9	270	8·6	270	9·8	270	9·6	270	8·5	270	8·3	270	9·0	270	7·6	270	8·4
12	—	1·2	180	3·6	140	3·0	200	4·6	200	4·4	180	5·2	160	4·5	180	5·5	200	6·0	160	5·1	150	4·6	200	3·2
13	—	1·2	—	1·5	330	2·8	350	3·5	350	3·9	360	3·1	360	2·8	360	2·5	350	3·4	300	5·3	350	5·7	340	5·3
14	—	1·1	—	1·1	—	0·5	—	0·3	—	0·9	—	1·2	—	1·5	340	4·2	310	4·9	300	5·6	300	5·0	320	3·5
15	270	3·5	270	3·4	250	3·5	250	3·5	240	3·5	240	3·5	240	3·1	190	3·0	180	4·5	210	5·0	220	6·4	240	6·9
16	230	7·4	240	7·3	240	6·4	250	5·3	260	5·0	260	5·6	270	4·9	270	6·2	280	5·8	280	7·6	300	6·1	290	5·4
17	210	5·3	220	6·5	230	7·1	240	6·0	250	7·5	270	7·6	260	6·5	260	6·4	270	5·0	260	4·6	260	5·9	270	7·9
18	210	5·1	210	5·6	210	6·8	200	5·5	200	5·4	200	4·6	190	2·8	180	4·1	190	6·4	170	5·5	160	3·9	150	4·0
19	180	10·5	180	9·4	150	4·0	160	7·1	160	9·5	170	11·9	190	16·0	230	12·5	240	13·4	240	14·3	240	13·8	250	16·1
20	190	2·6	200	4·3	190	3·5	200	5·4	180	5·1	190	6·4	200	6·4	200	6·5	200	7·0	210	9·7	200	11·5	200	13·1
21	150	8·0	140	8·0	140	9·9	150	10·1	160	8·6	180	10·4	180	11·0	230	7·1	270	5·5	270	4·8	240	6·4	240	9·1
22	220	7·0	200	6·0	210	5·2	210	7·3	200	6·3	200	4·9	200	6·8	200	6·4	230	6·8	230	7·0	250	6·4	260	6·0
23	240	14·9	220	9·9	220	7·5	220	8·4	210	7·4	210	5·2	180	2·6	180	3·8	170	3·5	150	5·4	150	4·8	140	5·4
24	230	7·0	230	6·2	230	5·0	230	6·0	220	7·2	230	7·9	230	5·8	230	5·5	230	5·7	220	7·2	220	7·0	220	8·3
25	210	9·0	230	7·5	220	5·8	220	6·6	220	7·8	220	8·0	210	9·0	210	9·0	220	9·8	220	10·5	230	10·3	220	11·5
26	190	3·4	170	5·0	150	4·9	140	5·1	150	3·6	150	3·0	180	3·3	190	4·3	210	6·4	230	5·9	230	8·3	220	10·5
27	130	6·0	110	6·5	110	9·6	120	10·9	120	8·5	130	7·1	140	5·9	160	6·0	160	5·4	170	6·1	140	2·9	150	4·2
28	170	5·3	170	5·7	170	10·1	200	9·4	190	9·9	180	8·4	190	9·0	200	8·5	190	9·0	210	8·5	200	8·0	190	8·5
29	230	5·6	230	6·0	230	6·0	230	7·9	230	10·2	220	9·1	220	8·7	220	8·5	220	9·9	210	10·6	200	10·6	200	11·1
30	190	13·6	190	12·1	190	13·5	190	15·0	190	17·1	190	15·8	190	16·0	190	13·5	190	11·2	220	12·5	220	9·8	220	9·6
31	220	8·9	220	8·5	210	7·6	200	7·3	210	7·2	220	6·4	210	6·0	220	6·7	210	6·4	220	6·4	240	8·0	240	8·6
Mean ...	—	6·4	—	6·3	—	6·2	—	6·7	—	6·9	—	6·7	—	6·7	—	6·4	—	7·1	—	7·7	—	7·7	—	8·2
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

† Defective record.
‡ Mean for 24 days only, omitting 1st, 2nd, 8th, 14th, 15th, 24th.

Averages for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

September, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.		
310	5·7	290	5·0	300	6·5	300	5·7	†	†	310	1·8	300	5·6	300	6·4	320	3·8	310	1·8	300	5·0	320	5·4	—	1
290	4·0	280	4·3	300	5·0	300	5·3	280	4·7	280	3·5	280	3·0	—	0·3	—	0·1	—	0·0	—	0·1	—	0·1	—	2
220	8·5	210	8·0	210	7·1	200	7·5	200	8·1	210	7·9	210	8·2	200	7·9	210	8·6	210	10·1	200	9·1	200	8·8	4·9	3
280	6·6	280	6·5	270	6·7	270	6·2	270	6·4	270	5·0	270	5·2	270	5·3	260	5·9	240	4·6	230	5·1	230	6·2	6·1	4
250	5·7	260	8·6	260	10·3	260	9·4	250	8·6	240	7·0	250	6·7	250	7·1	270	8·6	270	7·8	270	9·9	220	4·6	8·5	5
220	9·9	220	9·5	210	7·0	210	8·9	210	10·0	210	8·3	200	7·1	210	7·0	190	5·2	200	6·7	190	7·5	210	8·9	6·9	6
280	7·5	280	7·3	280	7·3	290	6·4	290	5·4	280	6·5	280	4·9	280	3·3	—	1·4	300	3·5	220	3·0	180	2·2	5·6	7
220	9·4	210	9·6	210	10·1	220	10·0	210	8·1	210	6·6	210	6·4	210	6·4	220	7·8	220	9·4	220	8·9	220	7·3	—	8
220	10·5	220	10·1	260	7·2	260	7·0	260	6·4	260	4·9	250	3·7	240	2·4	—	1·5	240	2·3	240	2·7	250	2·6	6·7	9
270	6·4	270	6·5	270	6·1	270	4·6	260	4·5	260	5·6	270	4·6	250	3·4	200	3·0	200	2·2	230	5·0	240	5·3	4·0	10
220	12·0	220	12·4	220	14·9	210	10·6	200	8·1	210	9·8	200	10·0	220	14·0	210	10·9	210	10·5	220	11·0	230	10·8	9·5	11
260	10·5	260	10·6	270	9·9	260	7·4	260	5·4	260	5·1	250	5·0	240	3·4	240	2·4	250	2·4	270	2·8	—	1·1	9·2	12
190	7·9	200	8·5	190	7·3	190	7·6	190	7·4	170	7·5	180	8·5	180	9·5	170	9·0	170	8·5	170	8·5	170	9·2	5·2	13
210	9·1	210	9·2	210	8·5	220	7·0	200	5·9	200	3·8	200	3·4	200	2·2	200	2·1	200	3·3	200	3·6	†	†	—	14
230	6·4	230	7·0	220	6·4	240	7·4	240	6·7	240	5·0	250	4·4	240	4·0	220	2·5	210	2·8	—	1·5	—	1·5	—	15
270	5·6	270	6·6	270	6·0	270	6·4	270	5·0	270	5·1	260	4·4	240	3·7	230	3·9	230	2·9	200	2·6	190	2·5	5·4	16
170	8·5	170	8·4	160	8·9	160	9·7	160	8·7	160	6·6	150	8·0	160	7·1	160	8·0	170	7·6	180	4·8	210	2·4	7·2	17
250	5·0	220	6·0	220	8·4	220	5·3	210	3·3	—	0·7	†	2·6	†	3·0	270	4·2	260	4·1	260	4·9	270	5·5	2·8	18
210	7·8	210	6·6	210	8·4	210	9·4	220	9·0	220	10·0	240	6·5	240	4·5	250	5·0	270	5·6	270	4·1	220	4·0	6·1	19
300	9·1	300	8·4	310	5·2	290	5·0	280	4·9	270	2·7	270	3·9	260	4·4	250	2·5	140	2·1	—	0·3	—	0·5	5·4	20
†	4·1	270	4·9	270	4·6	260	4·9	260	4·0	260	3·1	260	3·1	240	2·5	240	1·8	240	2·5	230	2·5	200	4·6	2·8	21
240	8·5	230	8·0	220	8·4	240	4·7	210	2·1	230	3·5	210	4·0	190	3·9	—	1·5	—	1·5	190	2·0	200	2·5	6·1	22
240	4·5	210	4·5	230	4·4	260	3·2	270	3·6	300	3·8	290	3·3	290	2·2	—	0·6	—	0·8	—	0·2	—	0·5	**1·8**	23
190	6·1	180	6·4	200	7·0	190	7·5	190	4·0	—	1·0	—	0·5	—	1·1	—	0·6	110	4·1	120	5·6	100	6·1	—	24
200	10·0	200	10·7	200	10·4	200	10·4	200	10·1	210	10·0	210	10·0	230	9·5	250	8·0	260	9·0	260	6·9	260	8·0	8·0	25
250	7·7	240	6·4	240	7·5	240	7·1	240	6·8	230	8·3	230	8·4	230	8·8	220	7·8	230	8·0	230	7·8	230	8·2	6·9	26
210	13·9	210	15·3	210	15·5	220	12·9	210	11·9	210	12·0	220	13·9	220	14·0	220	13·1	220	13·1	220	12·5	230	10·9	**11·6**	27
270	4·3	260	5·9	260	6·0	270	4·7	—	1·5	280	1·8	—	0·2	—	0·6	—	0·2	—	1·5	230	2·4	230	2·1	6·6	28
210	4·7	†	4·5	180	3·3	170	2·5	—	1·3	180	1·9	180	2·8	180	3·5	180	4·1	180	3·6	190	4·0	200	4·7	3·1	29
200	5·5	210	7·5	210	6·1	210	9·2	200	10·0	210	10·0	210	8·0	210	7·1	210	6·9	210	6·2	200	6·8	210	6·0	7·4	30
—	7·7	—	**8·0**	—	7·8	—	7·1	—	6·3	—	6·1	—	6·0	—	5·8	—	5·2	—	5·3	—	5·3	—	**5·1**	6·2	‡

October, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.		
280	6·9	280	5·4	280	4·8	280	5·5	270	6·5	270	4·1	240	3·2	240	3·1	210	3·0	180	3·5	230	4·9	220	6·7	5·4	1
290	7·6	280	7·4	280	5·9	280	6·5	280	6·5	280	5·8	260	4·1	260	4·3	250	4·6	230	4·0	230	3·3	230	3·3	8·1	2
350	5·6	340	6·0	340	5·5	360	5·3	350	4·3	330	6·8	340	7·0	350	5·0	340	5·4	340	5·7	350	6·4	350	7·2	3·9	3
20	5·2	10	3·2	30	3·0	30	2·4	30	2·0	—	0·8	—	1·0	—	1·5	—	1·3	—	0·4	—	0·4	—	0·4	3·7	4
200	9·2	200	8·4	210	8·5	230	7·0	210	5·2	210	5·4	260	5·1	270	5·1	240	3·6	240	5·6	250	6·7	240	5·9	4·2	5
280	6·7	280	5·9	270	7·5	270	6·8	270	6·3	270	4·5	220	3·9	210	3·0	230	5·7	240	5·5	240	5·6	240	6·5	6·6	6
230	14·6	230	14·0	230	13·9	230	12·2	230	12·4	240	12·6	240	12·6	240	14·4	240	14·1	240	13·4	270	12·9	270	10·5	11·3	7
250	7·5	240	7·1	230	6·3	220	6·0	200	5·3	200	6·0	200	8·5	190	8·9	190	7·5	180	5·3	190	8·2	210	10·4	5·8	8
270	14·6	270	14·9	270	14·0	270	12·3	270	11·4	270	11·5	270	11·9	270	11·9	260	10·1	260	10·1	260	8·7	250	8·5	**12·2**	9
230	10·0	230	8·6	220	9·8	230	10·5	250	9·7	250	7·6	260	7·4	270	7·3	270	7·1	270	8·7	270	8·6	270	7·9	8·9	10
270	7·8	270	7·8	270	7·9	260	7·2	260	6·2	250	3·5	250	2·4	—	0·8	—	0·7	—	0·1	—	0·5	—	0·9	6·3	11
210	5·0	250	5·4	240	4·2	230	3·9	220	3·0	210	4·2	230	4·7	210	2·1	—	0·5	—	0·4	—	0·2	—	1·4	3·6	12
330	4·5	340	4·4	330	4·5	340	3·0	320	1·7	—	0·5	—	0·6	310	3·1	250	1·8	—	1·0	—	0·9	—	0·9	2·8	13
340	2·1	310	2·1	310	2·9	310	2·8	310	2·8	300	2·9	280	3·2	280	3·4	—	0·2	—	0·9	—	0·9	280	2·2	**2·3**	14
240	7·4	240	7·5	240	8·0	230	7·4	220	5·5	230	5·5	240	6·0	230	5·9	220	5·1	220	5·2	220	7·1	230	7·8	5·2	15
280	5·7	300	6·5	280	5·1	280	4·8	280	5·9	280	4·6	270	4·2	280	4·0	270	2·1	—	1·3	200	1·9	200	2·9	5·2	16
260	6·9	260	5·5	260	5·6	260	5·1	240	4·3	240	5·4	180	3·1	180	3·1	220	6·1	210	5·9	220	3·9	200	5·3	5·6	17
140	4·3	140	4·0	150	5·4	150	4·5	150	3·3	150	4·0	160	4·0	160	5·7	170	8·3	180	9·5	190	9·6	180	10·3	5·4	18
250	14·9	240	13·6	240	13·0	240	12·0	220	7·9	190	2·0	180	1·6	190	2·6	200	3·5	190	3·6	210	4·0	220	4·9	9·4	19
190	13·3	190	13·5	190	14·3	190	13·1	180	12·0	170	10·0	170	9·8	170	8·0	160	8·0	150	6·1	150	6·4	150	7·0	8·4	20
230	10·6	230	9·9	220	8·6	210	7·1	190	5·9	190	7·4	200	8·4	220	8·4	210	8·4	210	8·1	230	8·4	220	8·4	8·2	21
240	9·6	240	10·0	220	7·9	220	10·6	230	12·1	230	12·5	230	12·7	230	11·9	230	13·0	230	13·4	240	13·6	230	13·5	8·9	22
130	5·0	130	5·4	120	3·0	—	0·4	—	0·1	250	4·7	250	8·3	230	8·6	240	9·0	230	7·6	230	8·0	230	7·2	6·2	23
220	8·2	220	7·6	210	6·9	210	2·9	200	2·1	220	3·6	200	2·5	180	1·8	180	3·4	190	3·8	170	3·5	180	5·5	5·6	24
220	13·4	220	11·9	220	13·1	210	13·0	220	13·5	220	12·0	220	11·0	220	8·1	220	8·4	220	8·4	210	8·0	210	5·6	9·7	25
220	10·9	210	9·5	220	9·1	230	10·6	230	10·6	230	8·6	230	5·0	210	6·5	180	4·5	180	3·1	140	3·1	130	6·0	6·3	26
140	5·1	140	6·4	140	6·3	140	6·4	130	9·0	140	10·1	140	8·8	130	7·7	140	8·4	140	7·5	150	5·5	170	6·3	6·9	27
210	7·9	210	6·5	200	4·6	200	5·0	200	4·3	190	4·5	190	5·3	210	7·3	210	6·3	230	6·5	260	6·7	230	5·1	7·1	28
190	12·9	180	13·1	180	13·5	180	14·5	190	14·1	190	13·5	190	13·0	190	10·9	190	11·1	200	13·0	190	12·7	190	13·5	10·7	29
220	10·1	220	10·0	220	9·6	200	8·8	200	6·6	210	7·5	220	9·9	220	9·0	220	10·6	210	10·6	220	10·4	210	9·3	11·4	30
230	7·5	230	7·9	240	7·0	210	4·8	220	5·4	210	4·9	220	5·2	230	4·1	240	4·5	240	1·8	—	0·9	—	1·1	6·1	31
—	**8·4**	—	8·1	—	7·7	—	7·2	—	6·6	—	6·3	—	6·3	—	6·1	—	6·0	—	**5·8**	—	5·9	—	6·2	6·8	

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°). Speed in metres per second.

191. Eskdalemuir : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.		m/s.
1	—	1·2	—	1·3	—	0·5	—	0·7	—	1·3	—	1·3	—	1·0	—	0·9	—	0·8	—	0·5	—	1·5	190	5·0
2	—	0·4	200	3·4	220	5·7	260	5·3	280	4·4	260	2·6	270	3·4	240	3·1	230	3·4	190	4·6	230	5·9	230	6·4
3	220	14·0	220	14·4	220	13·3	220	11·4	220	11·6	220	14·0	230	14·1	230	13·9	260	11·5	270	11·4	260	12·8	260	10·1
4	250	10·3	250	10·4	250	7·5	230	9·0	240	9·8	240	9·4	240	9·5	240	10·0	240	10·6	270	8·7	260	8·9	270	9·0
5	250	8·0	240	6·9	220	5·1	250	5·9	230	5·2	200	3·7	230	7·5	220	5·1	230	6·0	240	7·1	230	7·9	240	5·6
6	350	3·3	350	2·6	350	4·0	10	4·0	360	4·1	360	5·0	360	3·5	360	4·1	340	6·0	340	6·9	340	6·5	330	6·6
7	290	5·6	280	5·0	280	3·7	290	5·0	290	4·4	340	3·2	300	3·4	310	3·1	110	1·9	—	1·5	310	4·3	280	3·9
8	180	5·0	190	6·4	170	6·0	180	7·1	190	7·5	180	8·6	220	8·9	220	6·1	230	6·0	240	7·9	250	7·5	260	5·0
9	330	2·0	340	2·4	340	4·1	360	4·6	30	6·0	10	8·3	360	6·1	360	6·8	360	6·1	360	7·0	10	9·6	30	10·0
10	†	†	†	†	†	†	†	†	†	†	†	†	†	†	—	0·5	—	0·5	—	0·2	—	0·2	—	0·1
11	180	4·3	210	6·1	210	4·0	190	4·5	160	5·0	180	4·9	190	6·4	180	4·5	200	5·5	220	7·1	220	8·6	210	6·9
12	180	7·0	160	5·9	190	8·0	190	8·8	200	11·0	210	12·6	210	11·1	220	10·9	220	8·9	230	12·4	230	14·4	240	15·2
13	—	1·5	—	0·1	—	0·3	—	1·4	100	2·1	360	3·0	360	3·4	360	4·6	360	4·5	360	2·6	—	1·1	220	7·6
14	260	7·8	260	7·1	270	10·9	270	9·9	270	8·6	270	7·9	260	6·5	260	6·4	240	9·0	240	8·5	230	8·9	210	9·9
15	240	2·8	150	2·2	—	1·0	—	0·7	—	0·8	130	3·8	120	5·6	120	6·7	120	8·0	120	11·0	120	9·5	130	7·8
16	†	14·8	†	15·8	†	17·3	†	16·3	†	15·9	†	12·2	†	9·4	260	8·5	250	10·6	250	10·6	240	8·7	220	6·6
17	200	7·3	220	9·0	220	8·9	210	10·0	220	10·1	210	9·9	220	11·4	240	12·0	270	10·1	300	6·5	290	7·6	270	9·1
18	240	10·1	240	10·6	230	12·8	230	11·0	230	8·9	250	10·0	240	10·8	240	10·9	260	8·5	270	6·9	270	10·0	280	10·4
19	300	10·9	300	11·5	310	10·7	300	9·8	300	9·4	320	7·5	330	7·5	340	8·0	340	7·4	320	10·5	320	10·0	320	9·5
20	300	6·8	310	7·2	330	7·8	330	5·8	300	6·4	330	7·0	340	9·4	340	9·6	340	8·5	340	7·2	350	6·5	360	6·1
21	†	4·1	†	4·2	†	4·5	†	5·5	†	4·5	†	3·5	†	2·1	340	3·6	340	3·4	340	4·5	340	3·6	340	3·0
22	360	5·0	360	5·2	360	3·8	360	5·0	360	5·5	360	5·2	360	3·9	—	1·0	360	4·9	10	4·9	10	4·2	360	2·6
23	—	1·0	—	0·8	—	0·7	—	0·7	—	1·0	—	1·1	—	1·3	—	1·0	†	2·9	†	1·6	†	2·1	†	3·8
24	350	5·0	350	4·0	330	4·1	360	5·6	360	4·9	360	4·4	—	1·5	—	0·9	—	0·6	—	0·2	—	0·2	—	0·2
25	—	0·4	—	0·6	—	0·4	—	0·5	—	0·9	150	4·0	140	3·3	150	2·5	180	4·6	180	5·1	190	5·4	210	7·0
26	160	2·6	180	3·5	190	3·1	180	2·1	170	3·1	—	1·3	—	1·2	—	0·5	170	2·6	—	1·5	170	1·6	180	1·9
27	—	1·3	—	0·5	—	1·0	—	0·1	—	0·5	—	0·6	—	0·4	—	0·5	—	1·2	—	0·4	—	1·3	—	1·2
28	30	2·5	360	3·0	20	4·8	30	5·6	30	8·1	30	6·9	20	4·5	30	4·0	10	4·6	40	5·1	50	5·3	10	3·5
29	10	5·8	10	4·7	10	5·3	10	6·0	10	7·6	10	6·4	360	4·5	360	4·9	10	4·1	†	5·2	†	5·4	†	5·1
30	—	0·4	—	0·4	—	0·5	—	0·5	—	0·3	—	0·2	—	0·4	—	0·8	—	0·7	—	0·2	—	0·5	—	0·6
Mean ‡...	—	5·3	—	5·5	—	5·6	—	5·7	—	5·8	—	5·7	—	5·6	—	5·3	—	5·6	—	5·7	—	6·1	—	6·1

192. Eskdalemuir : H_a = 235 metres + 15 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	180	5·6	180	5·9	190	5·1	230	4·6	—	0·4	—	0·7	—	0·2	†	2·5	†	2·1	—	0·2	—	0·2	—	0·6
2	—	1·1	—	1·5	—	1·1	—	1·0	130	4·5	140	6·0	130	7·0	150	9·6	180	9·0	250	6·5	210	5·8	210	6·1
3	240	2·5	—	1·2	—	1·5	—	0·8	240	2·2	—	1·0	—	0·6	—	0·4	—	0·4	—	0·6	—	0·9	—	0·9
4	—	0·1	—	0·1	—	1·5	140	4·0	130	3·6	130	5·6	130	5·0	130	4·6	130	4·7	130	4·1	120	3·7	110	2·9
5	360	1·8	360	1·6	—	0·6	—	1·2	—	1·4	360	3·9	360	6·8	360	7·9	360	7·2	10	7·1	10	7·6	360	7·0
6	360	6·6	350	3·6	360	3·0	330	2·9	330	3·6	—	1·1	—	1·1	—	0·2	—	0·6	—	0·2	—	0·2	—	0·2
7	190	3·4	160	5·1	160	5·1	160	7·1	150	8·1	150	7·5	150	7·0	150	6·6	150	8·5	160	8·0	160	9·6	160	10·6
8	180	6·6	180	9·6	180	8·4	190	7·1	190	7·1	200	6·3	260	9·9	270	10·8	270	12·0	270	12·6	280	10·5	290	10·3
9	—	0·2	—	0·4	—	0·4	—	0·3	—	0·1	—	0·2	—	0·2	—	0·5	—	0·2	—	0·0	—	0·0	—	0·3
10	190	8·0	210	9·4	210	10·2	200	7·2	200	6·4	190	5·8	190	6·6	200	6·1	210	7·1	210	8·8	220	10·5	220	10·0
11	190	6·5	190	6·6	190	6·9	190	8·4	180	7·1	180	7·5	180	8·9	190	8·5	180	7·6	190	8·4	190	9·5	200	10·1
12	180	9·0	180	9·0	180	9·0	170	8·1	180	9·5	190	10·0	190	10·1	190	10·1	190	9·8	190	10·6	200	10·9	200	11·1
13	190	10·0	180	9·5	180	9·0	260	7·0	300	6·2	330	4·5	360	4·6	340	3·0	310	4·1	280	3·1	300	1·6	290	5·7
14	180	3·8	190	5·5	190	7·5	200	9·4	200	10·0	210	14·0	200	12·6	210	14·5	170	7·1	210	9·9	220	10·5	230	14·5
15	280	7·0	280	5·1	280	5·1	280	4·5	300	6·4	290	6·1	300	5·6	290	7·3	280	7·7	200	2·2	270	3·6	270	3·6
16	240	11·9	240	7·6	240	7·1	240	9·0	240	8·2	250	11·9	250	11·0	250	10·9	260	10·5	270	11·4	270	11·8	270	12·0
17	250	7·0	250	7·5	250	6·5	250	6·0	230	5·7	230	5·3	220	5·9	230	8·6	250	9·8	250	10·1	220	7·0	230	7·1
18	270	11·1	270	10·7	270	12·4	270	10·5	270	11·0	270	12·5	270	10·5	270	12·7	270	11·6	280	11·2	280	12·5	270	12·7
19	300	7·1	300	6·5	300	4·8	300	3·6	170	2·5	210	2·3	280	3·5	300	4·1	280	4·5	310	6·0	320	6·9	320	9·2
20	350	11·0	360	9·5	360	9·9	360	10·1	360	9·9	360	7·4	350	4·9	350	5·3	340	6·5	330	7·9	300	5·1	310	5·6
21	290	3·9	300	5·3	300	4·2	300	4·5	300	5·0	300	5·5	290	3·8	290	2·4	—	0·8	—	0·5	—	0·0	—	0·0
22	180	3·1	210	2·6	210	2·4	170	4·4	240	5·6	270	11·5	280	13·9	290	15·1	280	15·5	290	17·1	300	17·2	300	15·6
23	270	6·8	280	7·5	290	7·6	300	12·0	300	10·8	290	14·9	290	14·6	290	12·5	290	10·9	300	14·3	310	13·0	310	10·9
24	270	2·6	270	5·0	260	5·0	220	4·3	230	6·5	240	8·4	250	8·4	260	6·6	280	8·7	300	9·9	320	8·0	300	8·6
25	—	0·6	250	5·5	290	4·5	†	†	†	†	—	0·0	—	0·0	—	0·0	—	0·0	—	0·1	—	0·4	—	0·3
26	10	3·4	10	3·6	20	3·9	20	4·8	30	6·4	30	6·5	30	6·8	50	5·9	40	4·7	50	3·9	10	2·6	300	3·6
27	†	†	†	†	†	†	†	†	†	†	†	†	—	0·5	—	0·2	—	0·4	—	0·1	—	0·2	—	1·1
28	360	4·6	360	5·1	20	5·8	360	8·4	360	9·4	360	5·1	30	3·0	240	1·8	340	4·0	340	6·4	340	6·6	340	6·5
29	—	0·4	—	0·4	—	0·5	—	0·5	—	0·5	—	0·6	—	0·6	—	0·4	—	0·5	—	0·4	—	0·7	—	0·4
30	190	3·5	200	2·6	200	†	200	†	260	2·0	—	0·9	—	0·9	—	0·9	310	1·6	—	1·3	320	1·7	340	1·6
31	—	0·6	—	0·5	—	0·9	—	0·9	—	1·0	—	0·9	—	0·6	—	0·5	180	1·9	170	4·0	160	3·5	220	3·1
Mean §...	—	5·4	—	5·3	—	5·4	—	5·6	—	5·9	—	6·2	—	6·2	—	6·4	—	6·5	—	6·8	—	6·7	—	7·1

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

† Defective record. ‡ Mean for 28 days only, omitting the 9th and 10th.
§ Mean for 24 days, omitting 1st, 21st, 22nd, 25th, 27th and 30th.

Averages for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 235 metres + 15 metres.

November, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
200	5·9	180	4·1	210	4·4	200	3·7	210	3·6	210	2·6	210	2·0	—	0·3	—	0·4	—	0·3	—	0·4	—	0·4	1·8	1
230	7·2	220	7·3	220	6·8	220	7·1	210	6·6	200	6·7	190	7·2	190	10·0	190	9·5	190	9·8	210	11·0	220	13·0	6·0	2
260	11·0	250	12·1	260	12·4	260	10·8	240	9·6	250	10·0	250	12·8	240	11·5	240	14·6	250	11·5	240	10·1	250	10·2	**12·1**	3
250	9·2	240	10·1	250	9·8	240	10·0	240	9·0	240	9·4	260	9·1	250	9·5	250	8·9	260	6·9	250	6·0	240	7·2	9·1	4
240	4·1	230	3·4	230	1·6	250	2·2	—	1·4	—	0·9	—	0·6	—	1·4	—	1·1	—	1·0	350	2·6	350	3·5	4·2	5
340	6·8	330	6·6	310	5·1	310	3·4	310	1·8	—	0·4	—	0·5	320	3·6	300	6·1	280	5·5	280	5·5	280	5·5	4·4	6
260	3·1	260	3·6	230	3·6	240	3·8	220	1·7	—	0·9	—	0·4	—	1·2	—	0·5	—	1·0	190	2·4	190	4·8	3·0	7
260	4·6	250	5·1	140	4·9	170	4·2	200	3·8	210	4·1	210	2·6	200	4·5	230	4·5	170	1·8	—	1·0	—	0·6	5·2	8
40	10·1	30	8·8	40	8·0	30	6·4	20	7·6	20	8·6	30	8·6	20	7·0	10	6·9	10	4·8	30	2·6	20	†	—	9
—	1·5	360	2·3	270	2·5	260	1·3	240	2·9	230	2·6	†	†	†	†	†	†	†	†	200	3·0	180	3·5	—	10
210	7·1	210	6·9	200	7·4	200	6·6	200	7·0	190	7·0	190	6·6	190	7·1	190	7·0	180	6·0	200	7·6	200	7·9	6·2	11
240	14·0	250	11·8	260	11·5	260	9·4	250	7·5	250	6·5	250	5·5	270	2·9	250	1·6	220	2·4	170	2·8	170	2·9	8·6	12
220	11·6	210	10·1	210	8·5	200	8·5	200	9·5	200	10·3	190	10·6	190	11·0	200	11·5	230	9·9	260	6·5	260	6·5	6·0	13
250	11·4	270	11·1	260	8·0	250	7·4	260	7·9	260	7·2	260	5·6	250	8·0	240	4·1	—	1·4	240	3·0	240	4·0	7·6	14
140	7·8	170	4·1	220	4·1	240	5·1	250	6·0	210	5·4	220	3·1	250	3·0	270	9·9	†	13·2	†	12·2	†	14·9	6·0	15
220	7·0	220	7·1	220	6·1	210	4·6	220	6·5	210	6·9	210	6·8	200	4·2	200	9·0	170	6·2	190	7·0	220	7·1	9·5	16
270	10·3	240	11·5	240	12·1	230	11·9	220	10·5	220	11·0	230	10·7	230	11·0	230	10·2	240	8·9	230	9·0	240	10·6	9·9	17
290	10·5	280	10·1	270	10·0	270	9·9	290	12·6	290	13·7	290	12·6	280	10·9	300	10·4	310	10·0	320	7·4	280	5·8	10·3	18
310	10·9	310	12·0	310	12·6	310	11·7	310	9·0	310	8·3	300	7·0	300	7·1	300	7·5	300	9·9	300	9·8	290	9·5	9·4	19
360	6·6	360	5·5	360	4·5	360	4·6	360	6·1	10	6·7	10	6·2	10	5·4	360	2·5	360	4·7	20	5·0	20	3·4	6·4	20
—	1·5	—	0·9	†	1·8	†	2·5	—	0·9	360	4·9	†	4·2	†	5·0	†	4·0	†	2·9	†	5·1	360	4·6	3·5	21
360	2·0	360	2·7	—	1·4	360	2·4	360	3·6	360	3·0	360	2·8	—	1·3	—	1·4	—	1·2	—	1·1	—	0·8	3·2	22
360	4·1	360	3·4	360	3·0	360	3·4	360	4·2	360	4·0	360	4·0	360	4·0	360	2·6	360	7·0	360	5·6	350	5·3	2·8	23
—	0·3	—	0·4	—	0·2	—	0·1	—	0·1	—	0·1	—	0·3	—	0·3	—	0·3	—	0·2	—	0·2	—	0·4	1·5	24
210	6·5	220	5·5	210	5·9	210	6·4	210	5·0	220	5·2	—	0·9	180	3·5	190	4·6	190	3·1	180	3·4	180	3·5	3·6	25
—	0·4	—	0·4	—	0·3	—	0·3	—	0·2	—	0·1	—	0·3	—	0·2	—	0·2	—	0·2	—	0·5	300	1·6	1·3	26
—	0·4	—	0·5	—	0·3	—	0·3	—	0·8	—	0·9	—	1·5	330	3·2	330	3·3	350	2·7	340	2·4	360	1·6	**1·1**	27
50	5·1	20	3·5	30	3·9	30	4·1	40	5·0	20	5·1	20	5·1	20	6·4	20	6·2	20	6·8	10	7·4	20	6·5	5·0	28
†	6·5	†	4·0	†	4·4	†	3·6	†	4·6	†	5·0	†	3·8	†	3·0	†	5·1	†	4·8	†	3·4	†	2·0	4·9	29
160	1·6	170	3·0	190	2·9	180	3·3	190	3·8	170	3·4	180	4·5	190	7·0	190	8·5	190	6·5	200	8·9	180	6·9	2·6	30
—	**6·3**	—	6·0	—	5·6	—	5·4	—	5·3	—	5·3	—	**4·9**	—	5·2	—	5·5	—	5·2	—	5·3	—	5·4	5·6	‡

December, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	0·3	—	1·4	220	3·5	180	2·5	180	†	170	1·6	160	3·1	160	4·8	180	5·4	180	5·0	180	6·0	—	1·5	—	1
210	6·1	200	3·8	190	3·2	210	3·7	210	2·5	—	1·0	—	1·3	240	2·8	240	1·7	230	2·3	240	3·6	260	3·1	3·9	2
150	2·4	—	0·9	—	0·1	—	0·0	—	0·0	—	0·0	—	0·4	—	0·2	—	0·1	—	0·1	—	0·1	—	0·1	0·8	3
—	1·4	—	0·9	—	0·7	—	1·0	—	1·5	330	1·6	—	1·3	—	0·8	20	2·5	360	2·0	10	2·6	10	2·2	2·4	4
360	5·4	360	5·6	360	5·5	360	7·5	360	6·6	360	7·6	360	6·5	360	6·1	360	7·0	360	7·1	360	6·6	360	7·8	5·4	5
—	0·2	—	0·6	—	0·9	—	1·0	—	0·1	—	0·0	—	0·0	—	0·1	—	0·2	—	0·4	170	1·8	190	3·4	1·4	6
160	10·0	160	10·5	150	8·4	150	9·0	150	6·5	150	5·1	160	6·4	160	7·1	160	6·6	160	7·0	170	5·5	180	7·3	7·3	7
280	9·2	280	8·1	290	5·2	280	2·5	280	1·7	280	3·8	280	3·0	—	0·2	—	0·4	—	0·3	—	0·2	—	0·2	6·2	8
160	1·7	—	1·0	—	0·6	190	3·2	160	3·6	170	2·6	200	4·5	190	3·3	160	2·5	170	4·0	180	6·6	190	7·5	1·7	9
220	10·2	210	7·8	200	5·4	210	7·5	210	8·6	210	8·5	210	7·3	210	9·0	210	7·7	190	5·4	190	5·8	190	5·5	7·7	10
200	10·5	200	11·3	190	9·1	190	7·5	190	10·6	190	8·5	190	10·5	190	11·2	190	10·7	200	11·5	190	11·2	180	11·3	9·0	11
200	10·5	180	9·5	190	8·2	190	9·4	190	8·9	190	9·5	190	9·6	190	10·2	190	10·0	190	10·2	190	10·0	190	10·1	9·7	12
290	5·1	300	5·6	160	2·9	250	1·8	—	1·2	—	0·6	—	0·2	—	0·5	—	0·2	—	0·0	—	0·8	190	3·5	3·9	13
230	16·0	230	14·1	220	10·6	220	10·4	260	8·4	270	8·4	280	11·0	280	9·0	280	8·6	280	7·6	280	6·1	280	7·0	9·8	14
280	3·7	280	3·1	270	2·5	270	2·6	210	3·0	190	3·6	180	3·9	180	4·3	200	5·6	230	7·5	240	9·0	250	9·8	5·1	15
270	11·0	270	10·3	270	11·8	270	12·5	270	10·6	270	8·5	270	7·0	270	7·3	260	4·9	250	4·0	260	7·0	260	6·9	9·4	16
230	7·5	220	8·0	230	11·2	240	12·5	250	14·8	260	13·9	270	14·7	270	13·5	280	15·0	270	11·3	270	12·3	270	10·7	9·6	17
280	15·3	290	14·4	290	11·1	290	9·9	300	9·0	300	8·8	290	9·1	290	9·7	290	8·6	290	7·3	280	6·6	290	6·0	**10·7**	18
320	10·2	320	9·9	320	9·9	310	10·6	310	10·4	300	12·2	300	12·3	310	13·0	320	13·6	330	14·0	320	13·8	330	12·6	8·3	19
310	5·2	300	4·5	280	4·1	280	4·1	280	4·0	260	3·4	280	5·0	290	5·0	290	4·1	300	5·4	300	6·4	290	4·0	6·4	20
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·9	190	2·4	190	2·5	210	4·0	210	†	190	†	—	21
300	13·0	300	9·0	280	7·5	280	8·9	300	10·1	290	8·5	290	9·6	290	10·0	290	10·5	280	9·2	270	7·7	270	6·8	—	22
310	10·0	310	9·1	310	8·7	300	8·6	300	9·1	310	5·9	290	2·5	230	4·0	270	2·9	200	2·7	260	4·1	240	3·0	8·7	23
350	8·4	360	8·1	10	8·8	10	6·0	360	5·1	—	1·4	—	1·5	—	0·8	—	0·4	—	0·4	—	0·4	—	0·4	5·2	24
—	0·1	—	0·1	150	2·0	140	6·5	140	5·6	110	3·0	90	3·3	50	2·3	40	2·8	40	3·4	50	3·8	20	2·8	—	25
360	1·6	—	1·4	360	1·7	—	0·9	—	1·0	—	0·4	—	1·2	170	2·3	—	0·9	160	3·4	140	6·0	140	†	—	26
200	2·3	180	1·6	150	2·5	140	2·6	130	2·5	170	2·5	170	2·5	180	1·6	—	0·4	—	1·4	—	1·5	10	3·2	—	27
340	6·3	340	8·4	360	6·5	360	4·1	360	4·1	360	4·0	—	1·4	320	2·1	—	0·5	—	0·4	—	0·4	—	0·3	4·4	28
—	0·4	—	0·4	—	0·4	—	0·4	—	0·4	—	0·4	—	0·4	—	0·3	—	1·0	180	2·5	190	3·0	200	3·1	**0·7**	29
—	1·4	350	2·0	—	1·5	—	0·9	—	0·5	—	0·4	—	1·5	—	0·9	—	0·5	—	0·4	—	0·5	—	1·0	—	30
220	4·0	230	2·8	—	1·1	180	1·7	180	1·9	190	3·1	210	2·4	300	4·1	290	9·9	290	12·0	300	12·1	300	12·4	3·3	31
—	**7·1**	—	6·6	—	5·7	—	5·7	—	5·5	—	**5·1**	—	**5·1**	—	5·2	—	5·2	—	5·2	—	5·7	—	5·8	5·9	§

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

HIGHEST INSTANTANEOUS WIND SPEED RECORDED EACH DAY BY THE DINES TUBE ANEMOGRAPH.

193. Eskdalemuir : H_a = 235 metres + 15 metres. **1923.**

Day.	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.
	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	8	23 45	27	23 50	9	24 0	8	7 15	19	6 40	12	11 10	12	17 15	13	12 35	10	15 5	15	8 45	12	13 10	10	23 0
2	22	18 10	**27**	1 5	16	20 30	8	13 15	10	14 35	10	16 35	15	23 15	**28**	21 30	7	17 0	24	5 20	17	23 30	17	7 55
3	19	3 45	24	1 30	11	0 35	6	13 35	11	15 25	18	12 10	15	0 30	22	11 40	15	21 55	12	18 45	**29**	16 0	5	4 45
4	12	6 15	11	1 40	7	3 10	9	9 50	15	16 15	15	5 5	13	14 10	10	6 40	14	1 20	12	0 25	19	9 40	9	7 0
5	13	2 10	25	12 30	18	15 15	13	22 55	13	13 45	19	18 30	10	10 10	11	11 20	18	14 55	15	13 0	13	0 20	13	18 30
6	14	24 0	20	2 25	19	12 20	15	9 50	13	19 55	12	17 0	8	18 0	14	13 15	15	16 35	16	10 5	10	10 10	12	0 10
7	19	23 5	23	10 45	16	1 35	13	1 50	13	11 40	17	23 55	14	11 50	13	8 40, 13 15	15	0 45	22	22 30	8	1 30	17	14 5
8	22	3 45	11	2 50	11	5 45	19	14 30	14	13 55	23	9 55	12	17 30	16	19 10	15	14 30	16	0 5	15	6 40	25	9 40
9	25	15 5	10	23 45	10	9 50	15	15 5	16	22 15	20	5 35	9	12 20	13	0 10	17	11 45	27	11 20	16	12 45	10	24 0
10	24	11 0	16	11 40	9	13 30	15	3 30	**22**	16 0	**28**	15 20	12	11 40	12	17 5	12	14 55	19	16 5	†	†	16	2 45
11	19	13 25	15	5 5	9	13 50	15	2 45	19	13 45	18	5 45	8	16 10	9	11 20	21	14 45	17	8 25	13	10 55	18	22 20
12	6	0 40	8	9 25	16	22 15	14	3 10	18	13 45	17	11 30	11	12 10	8	13 25	21	10 25	12	5 10	22	12 15	17	11 35
13	11	20 20	12	21 55	14	1 50	13	12 55	15	15 25	26	7 50	11	18 30	12	4 10	15	20 50	9	10 40	19	20 55	15	0 35
14	**26**	22 20	11	1 15	10	15 30	15	15 0	20	17 5	11	18 55	10	9 50	10	12 35	16	0 50	9	9 35	19	13 15	21	12 55
15	25	5 15	12	22 55	14	15 10	12	17 35	10	14 50	14	18 20	11	13 5	15	18 20	12	13 10	12	14 40	21	23 55	16	23 5
16	8	0 15	12	21 30	14	2 20	9	2 5	14	16 30	10	1 15	15	16 20	16	1 0	14	14 5	12	9 40	25	3 10	23	16 0
17	10	14 10	18	5 30	15	15 15	10	10 5	20	10 0	10	14 20	15	14 55	14	†	19	11 50	16	3 40	21	2 5	25	20 45
18	9	19 35	19	4 10	12	10 30	10	12 30	12	20 0	16	22 50	11	17 5	11	13 40	12	15 35	15	23 45	20	18 0	26	10 55
19	24	20 0	9	11 35	13	14 30	12	16 35	12	14 25	17	8 25	19	17 5	9	2 0	15	16 25	**27**	7 5	17	14 50	21	21 50
20	25	6 10	12	23 0	12	12 55	14	15 30	14	11 35	15	23 10	17	18 45	11	21 25	15	11 40	23	14 20	16	8 5	18	4 15, 0 5
21	22	23 2	16	5 0	9	5 30	**25**	11 40	20	3 15	16	16 55	18	3 55	27	7 55	11	15 35	18	7 35	9	4 10	8	1 40
22	23	7 5	7	18 30	10	20 0	14	0 45	10	13 5	19	12 40	17	23 55	16	15 15	16	5 25	20	22 35	9	5 5	**27**	10 40
23	19	22 45	7	11 0	8	8 45	16	11 50	9	14 5	15	0 25	20	0 5	16	2 5	†	†	20	0 55	12	22 15	22	6 40
24	19	15 20	11	10 50	11	14 0	15	23 0	17	22 15	17	14 45	13	14 10	13	15 15	11	13 5	14	15 15	9	3 55	17	10 0
25	17	14 25	8	11 40	**19**	14 55	18	14 50	17	16 30	8	0 5	21	18 55	17	18 10	18	15 0	22	17 15	10	12 35	9	15 55
26	17	2 0	22	11 40	11	14 45	16	14 25	16	5 20	7	10 0	**24**	15 10	20	12 30	15	0 45	15	16 30	7	1 55	11	7 35
27	18	22 0	19	1 20	12	21 0	13	15 45	17	16 0	9	12 35	13	0 35	15	12 5	23	14 15	21	4 5	5	22 20	5	15 35
28	11	23 5	10	6 20	10	3 25	14	12 30	21	18 20	11	13 30	8	16 45	16	15 30	**28**	3 30	17	3 25	12	5 5	13	4 45
29	13	6 30			6	15 45	13	15 25	15	0 20	10	21 40	11	14 40	14	23 50	8	11 30	21	15 45	11	5 30	4	23 30
30	15	22 45			5	14 10, 15 45	18	23 45	11	10 5	13	2 15	13	14 10	18	0 40	16	11 25	24	5 0	14	22 50	6	0 50
31	19	22 20			12	15 20			11	17 45			10	0 45	7	3 35			14	3 10			17	23 55

† Defective record.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES, AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

194. Eskdalemuir : H_a = 235 metres + 15 metres. **1923.**

Month.	DISTRIBUTION OF WIND SPEED.								EXTREME VELOCITIES.						
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.		
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	day.	h.	m.
Jan.	—	—	17	149	306	191	96	2	300	17	20	6	26	14	22	20
Feb.	2nd, 5th	2	10	64	218	280	108	0	200	17	5	13	27	2	1	5
Mar.	—	—	3	10	216	378	133	7	200	13	25	13	19	25	14	55
April	—	—	4	16	315	252	128	9	40	14	21	16	25	21	11	40
May	—	—	7	29	399	220	96	0	210	15	10	16	22	10	16	0
June	10th	3	10	72	258	275	96	16	250	18	10	19	28	10	15	20
July	—	—	6	28	274	331	106	5	280	15	26	17	24	26	15	10
Aug.	2nd, 21st	4	7	43	268	297	94	38	170	19	2	21	28	2	21	30
Sept.	28th	2	6	44	330	245	79	20	230	19	28	3	26	28	3	30
Oct.	—	—	13	98	367	228	51	0	190	17	30	5	27	19	7	5
Nov.	16th	1	10	67	264	239	137	12	270	17	16	3	29	3	16	0
Dec.	22nd	1	12	75	268	201	185	14	300	17	22	11	27	22	10	40
Year	8 days	13	105	695	3,483	3,137	1,309	123	230	19	Sept. 28	3	29	Nov. 3	16	0

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18H. TO 7H. G.M.T.

Readings, in degrees absolute.

195. Eskdalemuir. **1923.**

Day.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	63·8	80·0	74·4	77·1	77·8	78·3	77·2	80·7	72·9	82·0	70·2	73·0
2	**63·4**	76·9	74·0	74·0	73·0	76·3	81·3	74·1	74·2	75·8	71·8	74·0
3	75·5	76·6	75·3	72·0	75·9	75·0	84·3	83·0	**67·6**	75·0	78·3	70·6
4	70·1	70·2	72·1	76·0	72·0	76·2	83·9	80·4	80·2	72·0	73·8	70·3
5	71·6	71·0	70·7	74·3	79·7	70·7	85·0	76·4	79·0	67·8	73·0	65·4
6	69·8	81·2	73·7	72·8	73·5	78·0	84·0	81·9	83·3	77·8	69·0	68·9
7	73·9	71·8	75·9	73·4	**67·5**	80·3	85·3	85·8	81·9	79·0	66·9	65·8
8	78·7	76·1	73·6	76·3	74·8	81·0	86·0	78·0	72·0	75·0	66·2	75·8
9	72·8	69·3	73·9	72·9	**67·5**	82·0	84·0	86·0	83·6	79·3	70·2	64·4
10	73·0	71·5	71·2	71·7	69·0	82·0	85·0	81·0	75·3	78·0	71·2	71·6
11	70·9	76·8	72·8	73·2	73·0	76·2	86·8	79·2	79·3	75·0	71·0	78·9
12	67·2	74·1	72·7	77·0	72·0	76·1	84·9	76·0	83·6	70·6	79·8	78·8
13	64·5	72·0	76·6	78·5	70·9	81·6	80·1	85·2	75·6	71·2	73·0	76·2
14	76·2	72·6	70·9	75·6	71·2	74·2	85·0	76·7	81·1	67·2	72·2	69·0
15	—	71·0	74·8	70·8	70·0	69·4	86·0	76·1	72·0	70·2	65·3	72·6
16	76·9	73·8	75·0	71·9	72·9	74·0	84·5	80·0	73·5	77·0	68·6	74·9
17	77·0	74·1	71·5	67·5	69·0	**68·2**	79·9	81·9	72·8	**66·9**	73·0	79·0
18	72·2	70·0	72·2	67·9	69·6	79·9	**75·4**	82·5	75·0	77·8	72·0	74·9
19	76·5	—	71·3	70·2	77·2	74·8	78·0	81·0	74·0	82·0	72·5	66·9
20	73·3	69·7	71·0	67·0	76·4	76·0	86·2	81·7	72·9	74·0	70·7	65·1
21	66·5	**68·7**	70·0	72·2	75·2	81·0	83·0	83·7	75·6	79·0	70·0	67·7
22	78·0	70·5	72·8	74·0	74·9	83·2	85·5	78·8	73·1	76·8	71·2	72·8
23	65·8	69·2	70·6	71·2	73·1	82·9	—	79·0	74·8	77·4	69·8	72·0
24	75·6	70·2	**68·8**	**66·2**	69·9	82·6	80·6	80·3	73·3	74·0	66·3	67·0
25	78·7	73·1	72·0	73·0	75·5	79·0	83·5	72·0	75·9	74·3	**61·3**	**60·0**
26	77·4	72·3	72·2	76·3	75·2	71·0	79·7	80·7	79·5	74·1	72·8	71·0
27	78·1	75·8	78·2	66·5	75·1	79·3	77·3	81·1	83·1	76·4	69·9	71·8
28	79·6	75·7	80·2	66·3	75·7	83·0	81·9	79·9	84·4	78·3	68·1	72·9
29	77·5	—	74·9	70·6	—	75·0	83·1	**71·0**	78·6	78·1	71·2	60·3
30	79·0	—	71·0	76·6	77·5	80·0	82·0	77·9	84·9	74·2	63·1	72·1
31	79·5	—	69·8	—	76·9	—	82·5	75·5	—	78·7	—	73·1
Mean	73·4	73·1	73·0	72·4	73·4	77·6	82·7	79·6	77·1	75·3	74·1	70·9

NOTES.—(1) The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 is written 75·0.

(2) The minimum refers to the interval from 18h. the previous day to 7h. on the day to which it is entered. Means for January, May and July are for 30 days only. Mean for February is for 27 days only.

196. Eskdalemuir. **January, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	—	Ci. St.	A. St. : St.	0	5	7	10	10	10	⌴	⌴	⌴	⌴	⌴≡⁰	●≡⁰	b⌴ to c⌴ *a* : c⌴ to o⌴ ≡⁰ *p* : o ≡⁰
2	Nb.	St. : St. Cu.	Nb. St.	10	10	10	10	10	10	●≡⁰	●≡⁰	…	…	●	●	o ● ≡⁰ to o *a* : o and o ● *p* : o ● *n* :
3	St. Cu.	St. Cu.	St. Cu. : Cu.	4	5	10	10	7	2	…	…	…	…	…	…	o ● early, bc *a* : o, and op⁰ ● *p* : c to b *n*
4	—	Ci. Cu. : Ci. St.	—	0	0	5	3	0	10	⌴	⌴	…	…	…	≡⁰	b⌴ to bc *a* : b and bc *p* : b to o ≡⁰ *n*
5	Nb.	Nb.	A. St. : St. Cu.	10	10	10	10	9	7	d≡⁰	d	●≡⁰	d≡⁰	…	…	od ≡⁰ to o ● ≡⁰ *a* : od and o *p* : c and o *n*
6	St. Cu.	St. Cu.	St. Cu.	1	3	10	8	9	10	⌴	…	…	…	…	…	b⌴ at first ; b, op ✱⁰ *a* : c, op and o *p* : o *n*
7	Nb.	St.	Nb.	10	10	10	10	10	10	d≡⋮	d⁰≡⁰	≡⁰e	d ≡⁰	d ≡⁰	d ⁰≡	od ≡⋮ to ≡⁰ *a* : od ≡⁰ *p* : od ≡⋮ *n*
8	St. Cu.	St. Cu.	St. Cu.	9	4	5	1	1	3	…	…	…	…	…	…	o ● q early ; bc *a* : b and bc *p* : bc *n*
9	St. Cu.	St. Cu.	St. Cu.	9	7	10	10	10	10	…	…	…	p ✱⁰	…	✱	o ● ≡⁰, c to o *a* : o and op⁰ ✱ *p* : o, o ✱ *n*
10	St. Cu.	St.Cu. : F.Cu. : Ci.Cu.	St. Cu.	9	8	7	10	6	1	…	…	…	…	…	…	o ● at first, o to c *a* : c, op⁰ ● *p* : c to b *n*
11	St. Cu.	St. Cu.	St. Cu.	3	3	5	4	2	2	⌴	⌴	…	…	…	…	b⌴ to bc *a* : bc, b, op ⁰● *p* : b to op ⁰● *n*
12	St. Cu.	A. Cu.	St. Cu.	10	6	4	7	4	0	⌴	⌴	…	…	…	⌴	o⌴ to bc *a* : c and bc *p* : bc to b⌴ *n*
13	St.	Nb.	Nb.	10	10	10	10	10	10	≡	✱⁰p≡	d ≡⁰	d ≡⁰	d ≡⁰	≡⋮	o≡, op ⁰✱ to od ≡⁰ *a* : o D≡⁰, od ≡⁰ *p* : o ≡⋮ *n*
14	St. Cu. : Nb.	F. Cu.	St. Cu.	10	5	1	1	8	4	●	…	…	…	…	…	o ●² ≡⁰ early ; o ● to ba : b to c, op ⁰● *p* : bc and bc *n*
15	St. Cu.	St. Cu.	St. Cu.	4	10	10	10	7	6	…	d⁰	…	…	…	…	bc to od⁰ *a* : o, c and op ⁰● *p* : c and bc *n*
16	Nb.	St.	St.	10	10	10	10	10	10	d⁰≡⁰	d ≡⁰	≡⁰	≡⋮	≡⁰	≡⋮	od ≡⁰ to o ≡⁰ *a* : o ≡⋮, o ≡⁰ *p* : o ≡⋮ *n*
17	St. Cu.	St.	Nb.	10	10	10	10	10	10	…	∞	…	…	d⁰≡⁰	●⁰≡⁰	o *a* : o to od ≡⁰ *p* : o ●⁰ ≡⁰ *n* :
18	St. Cu. : Cu.	St. Cu.	Ci. St. : A. Cu.	1	5	4	6	10	10	…	…	…	…	…	…	b and bc *a* : bc to o *p* : o *n* :
19	A. St. : St. Cu.	St.	St. Cu.	10	10	10	10	10	1	…	≡⁰	≡⁰	● ≡⁰	…	…	o, o to o ≡⁰ *a* : o ● ≡⁰ and o *p* : o, b, op ●⁰, bc *n*
20	St. Cu.	Ci. St. : F. Cu.	St. Cu.	1	4	4	4	3	0	…	p ✱⁰	…	…	…	⌴	b, bcp ⁰✱ *a* : bc to b *p* : b to b⌴ *n* :
21	Nb.	St. Cu. : St.	A. Cu. : St. Cu.	10	10	9	10	7	2	p ✱⁰	d⁰≡⁰	…	…	…	…	o, p ⁰✱, od ≡⁰ to o *a* : o, d⁰ to c *p* : b and bc *n*
22	Nb.	St. Cu.	St. Cu.	10	10	10	10	5	0	d⁰	…	…	●⁰	…	…	od⁰ and o *a* : o, o ●⁰ to bc *p* : b and bc *n* :
23	St. Cu.	St. Cu.	St. : St. Cu.	4	10	10	10	10	10	⌴	⌴	…	…	…	d⁰≡⁰	bc⌴ to o *a* : o *p* : o to od ≡⁰ *n* :
24	St. Cu.	Nb. : St. Cu.	Nb. : St. Cu.	10	10	10	8	9	10	…	…	p ●⁰	…	p ●	p ●⁰	od and o *a* : o to c, op ● *p* : op ⁰● and o *n*
25	Nb.	St. Cu.	St. Cu.	10	9	10	10	9	10	●	…	…	…	…	…	od, o ● and o *a* : o *p and n* :
26	Nb.	Nb. : St. Cu.	St. Cu.	10	10	10	10	10	10	d⁰	d⁰	…	…	…	d⁰	od and o *a* : o to od⁰ ≡⁰ *p* : od⁰ *n* :
27	St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	…	…	…	…	…	…	o, op ⁰● *a* : o *p* : o, od⁰, o *n* :
28	Nb. : St. Cu.	Nb. : St. Cu. : St.	Nb. : St. Cu.	10	10	10	10	7	10	p⁰	d	p	●	p	…	op ● and od *a* : op ● and o, c *p* : op d and o *n*
29	St. Cu.	St. : St. Cu.	A.St. : St.Cu. : Nb.	10	10	10	10	10	10	…	…	…	●⁰	p⁰	p⁰	od⁰ ≡⁰ early ; o and od⁰ *a* : o to op ⁰● *p* : op ⁰● *n*
30	St. Cu.	St.	St. Cu. : Nb.	9	9	10	10	10	10	…	…	≡⁰	d⁰≡⁰	d⁰	d	o to o ≡⁰, ●⁰ *a* : od⁰ ≡⁰ and o *p* : od *n* :
31	St. Cu.	Nb.	Nb.	9	10	10	10	10	10	…	…	●⁰ ≡⁰	d ≡⁰	d ≡⁰	…	o to o ● ≡⁰ *a* : od ≡⁰ and o ● ≡⁰ *p* : o and od ≡⁰ *n*
Mean Cloud Am'nt				7·5	7·8	8·4	8·5	7·8	7·0							

197. Eskdalemuir. **February, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	Ci. St. : St.	Nb.	Nb.	9	10	10	10	10	10	…	…	d ≡⁰	…	● ≡⁰	● ≡⁰	●*n* o, c to od ≡⁰ *a* : o, o ≡ ●² *p* : o ●² ≡⁰ and o ≡⁰ *n*
2	St. Cu.	St. Cu.	St. Cu. : St.	10	9	9	6	9	10	…	…	…	…	…	● ≡⁰	o ● ≡⁰ early ; o *a* : o to bc and *p* : o, o ●² op² *p* : o ●² to o *n*
3	St. Cu.	St. Cu.	Nb. : St. Cu.	10	10	9	6	10	8	…	…	…	…	p	…	o ● q ⍂ at 01 30, o and op ⁰● *a* : bc and *p* : o *n*
4	St. Cu.	Cu. : F. Cu.	St. Cu.	1	0	3	5	1	10	⌴	⌴	…	…	…	≡	b⌴ at first ; b *a* : b and bc *p* : b to o ≡ *n*
5	St. Cu.	St.	Nb.	10	10	10	10	10	10	…	…	≋	…	●	●	o, bc to op ≋ *a* : o, o ● *p* : o ● *n* :
6	St. Cu.	St.	Nb.	10	10	10	10	10	10	…	●	…	● ≡⁰	● ≡⁰	● ≡⁰	o, o ● and o *a* : o, o ● ≡⁰ *p* : o ● ≡⁰ *n* : *p* : o *n*
7	St. Cu.	Nb.	St.	9	10	10	10	10	10	…	…	● ≡⁰	…	…	…	op △ ✱, o, o ● ✱ ≡⁰ *a* : o ● ≡⁰, p ∠ o
8	Nb.	Nb.	Ci. : St. Cu.	10	10	10	10	6	0	● ≡⁰	● ≡⁰	d⁰	●	…	…	o ●, o ● ≡⁰ to od⁰ *a* : o ● to bc *p* : b and bc *n*
9	St.	St. Cu.	A. St.	10	10	8	6	2	0	≡⋮	≡⁰	≡⁰	…	…	≡⁰	o ●⁰ early ; o ≡⋮ o to c ≡⁰ *a* : bc, b *p* : b ≡⁰ *n*
10	Nb.	Nb.	St.	10	10	10	10	10	10	● ≡⁰	●	● ≡⁰	● ≡⁰	≡⁰	≡⁰	o ● ≡⁰ and o ● *a* : o ● ≡⁰ *p and n* : to o *n*
11	Nb.	Nb.	Nb.	10	10	10	10	10	10	● ≡⁰	● ≡⁰	d ≡⁰	● ≡⁰	● ≡⁰	…	o, o ● ≡⁰ to od ≡⁰ *a* : o ● ≡⁰ *p* : o ● ≡⁰
12	St. Cu.	St. Cu.	St.	10	10	10	10	10	1	…	d ≡⁰	…	●	…	…	o, c to od ≡⁰, o *a* : o and o ● *p* : od⁰, b *n*
13	St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	…	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	b, c to o ≡⁰ *a* : o ≡⁰ *p and n* :
14	Nb.	St. : St. Cu.	St.	10	10	10	10	10	10	✱ ≡⁰	✱ ≡⁰	…	…	≡⁰	≡⁰	o ≡⁰, o ✱, o ✱ ≡⁰, o *a* : o, o ≡⁰ *p* : o ≡⁰ *n* :
15	St. Cu.	St. Cu. : St.	St.	5	9	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	c, bc ≡⁰, o ≡⁰ *a* : o ≡⁰ *p and n* :
16	Nb.	Nb. : St. Cu.	St.	10	10	10	10	10	9	10	d ≡⁰	d ≡⁰	…	…	≡⁰	≡⁰	o ≡⁰, od ≡⁰, o ● *a* : o, bc, o ≡⁰ *p* : o ≡⁰ *n*
17	St. Cu.	St.	St.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	od⁰ ≡⁰, o ≡⁰ *a* : o ≡⁰ *p and n* :
18	Nb.	Nb.	St.	10	10	10	10	10	10	✱ ≡⁰	✱ ≡⁰	✱ ≡⁰	✱ ≡⁰	≡⁰	✱⁰ ≡⁰	✱, o ✱ ≡⁰ *a* : o ✱ ≡⁰, o ≡⁰ *p* : o ✱ ≡⁰ *n*
19	St.	St. Cu.	St.	10	10	3	10	10	10	≡⁰	…	…	…	…	…	✱ ✱⁰, o ≡⁰, ob *a* : b to o *p* : o *n* :
20	St.	St. Cu.	St. Cu.	10	10	6	9	9	2	…	…	…	…	…	⌴	o, bc *a* : bc, op⁰ ✱ *p* : b⌴ *n* :
21	Nb.	Nb.	Nb.	10	10	10	10	10	10	✱ ≡⁰	✱ ≡⁰	✱ ≡⁰	✱⁰ ≡⁰	✱⁰ ≡⁰	≡⁰	bc, o ✱⁰ ≡⁰, o ✱⁰ ≡⁰ *a* : o ✱⁰ ≡⁰ *p* : o ≡⁰ *n*
22	St. Cu. : St.	St. Cu. : Nb.	St.	9	7	10	7	10	10	⌴	…	p ✱⁰	…	≡⁰	≡⁰	o ✱⁰ ≡⁰, o⌴ to c, op⁰ ✱ *a* : c, o ≡⁰ *p*
23	A. Cu. : St. Cu.	St. Cu.	St. Cu.	5	5	1	9	5	9	⌴	…	…	…	…	⌴	bc⌴, b *a* : b, o to bc *p* : bc, o⌴ *n*
24	A.Cu. : A.St. : St.Cu.	A. St. : St. Cu.	St. Cu.	7	10	10	10	10	10	…	…	…	d⁰	…	d⁰	c, o *a* : o, od⁰, o *p* : o and od⁰ *n* :
25	Nb.	Nb.	Nb.	10	10	10	10	10	10	●	●	●⁰	●	d ≡⁰	≡⁰	od⁰, o ● *a* : o ●, od ≡⁰ *p* : o ≡⁰ od
26	Nb.	Nb.	St. Cu.	10	10	10	9	9	10	● ≡⁰	●	● ≡⁰	…	…	…	o ● ≡⁰ and o ● *a* : o, c *p* : o *n*
27	Nb.	Nb.	Nb. : St. Cu.	10	10	10	10	10	10	● ≡⁰	…	●	…	●⁰	…	o ● ≡⁰, o, o ● *a* : o and o ●⁰ *p* : o ●⁰ o *n*
28	St. Cu. : St.	Nb.	St. Cu. : St.	10	10	10	10	10	9	…	…	●⁰	●	≡⁰	…	o *a* : o ●, o ≡⁰ *p* : o *n* :
Mean Cloud Am'nt				9·1	9·3	8·9	9·2	8·9	8·5							

Day. | 7h | 13h | 18h | 7h | 9h | 13h | 15h | 18h | 21h | 7h | 9h | 13h | 15h | 18h | 21h | Remarks.
Cloud Forms. | Cloud Amount (All Forms). | Weather.

Eskdalemuir. **March, 1923.**

Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
St.	Nb.	St. Cu. : St.	10	10	10	10	10	10	...	...	d⁰	...	...	...	o *a* : od⁰, o ● ≡⁰ *p* : o *n* : [o ●², od *n* :
St. Cu.	Cu. : Cu. Nb.	Nb.	5	10	9	10	10	10	...	...	...	●	●⁰	d	o ●, bc to o, △ at 11.40 *a* : o △ *q* ●, o ●⁰ *p* :
Nb.	St. Cu.	A. St. : St. Cu.	10	10	10	10	10	6	●⁰≡⁰	d ≡⁰	...	●	...	...	o ● ≡⁰, od ≡⁰, o *a* : o ● to o *p* : o to c *n* :
St. Cu.	Cu. : St. Cu.	St. Cu. : A. St.	8	7	8	9	10	10	...	...	...	...	...	≡⁰	o, c *a* : c to o *p* : o, o ≡⁰ *n* : [bc : *n* :
St. : St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	5	...	✱ ≡⁰	...	p⁰	...	...	o ≡⁰, o, o ✱ ≡⁰ *a* : op⁰ ● & o *p* : op⁰ ●,
St.	Nb.	St. Cu. : Cu. Nb.	10	10	10	10	10	10	≡⋮	≡⁰e	● ≡⁰	...	...	p ●⁰	b, o ≡⋮ , o ● ≡⁰ *a* : o *p* : c & op⁰ ● *n* :
Nb.	St. Cu.	St. Cu. : Cu. Nb.	10	10	10	10	9	10	d⁰	...	...	...	...	●	o & o ●, od⁰, o *a* : o & op ● *p* : o, o ● *n* :
Nb.	St. Cu.	St. Cu.	10	10	10	10	10	10	d⁰	...	...	...	≡⁰	≡⁰	o, od⁰, o *a* : o, o ●, o ≡⁰ *p* : o ≡⁰ *n* :
St. Cu.	Nb.	St. Cu.	10	9	10	9	10	5	...	p⁰	p ●	...	...	...	o ≡⁰, op⁰ ● *a* : o & op⁰ ● *p* : op⁰ ●, bc *n* :
St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	...	...	...	...	...	...	bc, o, op⁰ ✱ *a* : o *p* & *n* :
St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	...	...	...	...	...	...	Overcast all day (*a*, *p* & *n*) [o ≡⁰ to o *n* :
Nb.	St. Cu. : Nb.	Nb.	10	10	10	10	10	10	p ✱⁰ ≡⁰	✱ ≡⁰	d⁰ ≡⁰	●⁰ ≡⁰	●⁰ ≡⁰	...	op⁰ ✱ ≡⁰, o ✱ to od ≡⁰ *a* : o ●⁰ ≡⁰ *p* :
St. Cu. : Nb.	Cu. : F. Cu.	St. Cu. : F. Cu.	10	3	5	5	4	3	●	...	y	y	...	...	o, o ●, bcy *a* : bcy, bc *p* : b *n* :
Ci.	St. Cu.	St. Cu. : St.	1	2	9	8	10	10	...	...	...	...	≡⁰	≡⁰	b ⌴, b to o *a* : c, o ≡⁰ *p* : o ≡⁰ *n* :
St. Cu.	St. Cu.	St.	10	10	10	9	10	10	...	...	...	...	...	...	o ≡⁰ early then overcast all day *a*, *p* & *n* :
St.	St. : F. St.	St. : St. Cu.	10	10	8	6	9	0	...	≡⁰	...	...	...	...	o, o ≡⁰ to c *a* : c & bc *p* : o to b *n* :
St. Cu.	St. Cu. : Cu. : Ci. St.	St. Cu. : Ci. St. : Ci. Cu.	7	10	9	6	9	1	...	...	...	y	...	...	b, c to o *a* : o, bcy *p* : bcy, o to b *n* :
St. : St. Cu.	F. Cu. : Ci. : Ci. St.	Ci. : Ci. St. : St. Cu.	8	8	4	7	6	3	...	...	...	...	...	...	bc, o, bc *a* : c & bc *p* : bc *n* :
St.	Ci. : Cu.	Ci. Cu. : A. Cu. : St. Cu.	10	10	8	8	7	10	≡⁰	...	...	...	...	...	o ≡⁰, c *a* : c *p* : c, bc to o *n* :
St. Cu.	St. Cu. : Cu.	St. Cu.	10	10	7	2	1	3	...	...	...	...	...	...	o, o ≡⁰ to c *a* : b *p* & *n* :
St. Cu.	—	F. Cu. : A. Cu.	7	9	0	1	3	4	⌴	≡⁰	∞	...	...	...	c ⌴, o ≡⁰ to b *a* : b & bc *p* : bc *n* :
Cu. : F. Cu.	Ci.	Ci.	5	5	1	2	1	9	≡⁰	≡⁰	y	y	...	...	bc, bc ≡⁰, by *a* : by *p* : bc, co *n* :
St. Cu.	Ci.	Ci.	5	9	1	2	2	0	...	...	...	∞	∞	...	bc, b, o, b *a* : b ∞ *p* : b *n* : [2oh. *n* :
St.	—	—	10	10	0	2	0	9	⌴ ≡⁰	≡⁰	≡⁰	∞	∞	≡	b, bc, o ⌴ ≡⁰, b ≡⁰ *a* : b ∞ *p* : b to ≡ ♕²
A. Cu. : St. Cu.	St. Cu. : A. Cu.	St. Cu. : Cu. : Ci. St.	5	1	9	8	5	5	≡⁰	∞	...	...	...	...	o ≡, bc, o *a* : o, c, bc *p* : bc & c *n* :
St. : St. Cu.	Cu. : F. Cu.	St. : St. Cu.	8	1	7	9	10	10	≡⁰	...	y	y	≡⁰	p⁰ ≡⁰	bc, o ≡⁰, cy *a* : cy, o ≡⁰ *p* : op⁰ ≡⁰ *n* :
St. Cu.	St. Cu.	St. Cu. : A. Cu.	10	10	10	9	9	10	...	...	...	...	∞	p ●⁰	o, p ●⁰, o *a* : o *p* : o, op ●⁰ *n* :
Nb.	St. Cu.	Nb. : St. Cu.	10	10	10	10	10	10	● ≡⁰	●⁰ ≡⁰	...	●⁰	p	d⁰	o ● ≡⁰ to o *a* : o & o ●⁰ *p* : oi ●⁰, od⁰ : *n* :
St.	Cu.	St. Cu. : Cu.	10	2	5	8	5	0	≡⋮	≡⁰	y	y	...	...	o ≡⋮ , b ≡⁰, bcy *a* : bcy, cy *p* : bc, b *n* :
St. Cu.	St. Cu.	Cu. : St. Cu.	6	3	9	8	8	10	≡⁰	...	...	...	...	≡⁰	bc ≡⁰, oc, b to o *a* : c *p* : c, bc, o ≡⁰ *n* :
St. Cu.	St. Cu.	St. Cu.	8	10	10	10	10	10	...	...	...	...	...	...	o ≡⁰, c to o *a* : o, op ●⁰, d⁰ *p* : o *n* :
			8·5	8·0	7·7	7·7	7·7	7·2							

Eskdalemuir. **April, 1923.**

St. Cu.	Nb.	St. Cu.	10	10	10	10	10	10	...	≡⁰	● ≡⁰	●⁰ ≡⁰	...	≡⁰	o, o ≡⁰, o ● ≡⁰ *a* : o ● ≡⁰, o *p* : o, o ≡⁰ *n* :
St.	St.	St.	10	10	10	10	10	9	≡⁰	● ≡⁰	...	≡⁰	≡⁰	≡⁰	o ≡⁰, o ●⁰ ≡⁰, o *a* : o ≡⁰ *p* & *n* :
St.	St. Cu.	St. Cu.	10	9	10	9	8	10	≡	≡⁰	...	∞	≡⁰	≡⁰	o, o ⚌, o ≡⁰ o *a* : o, o ≡⁰ *p* : c & o ≡⁰ *n* :
St. Cu.	St.	Nb.	10	10	10	10	10	10	d⁰	...	y	p⁰ y	● ≡⁰	● ≡⁰	o ≡⁰, op, oy *a* : op, y, o ● ≡⁰ *p* : o ● ≡⁰ *n* :
St. : A. St.	St. Cu. : A. St.	St. : A. St.	10	10	10	10	9	2	...	...	...	...	...	...	o ≡⁰, o *a* ; o *p* : o to b *n* :
St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	...	...	...	...	...	...	bc, co *a* : o *p* & *n* :
Nb.	St. Cu.	St. Cu. : A. Cu.	10	10	10	10	9	10	p ✱	...	...	...	...	...	oc, p ✱⁰, o *a* : o *p* & *n* :
St. Cu.	Cu.	F. Cu.	10	8	6	2	1	10	...	...	...	...	...	...	o, bc *a* : c, b *p* : b, o *n* :
St. Cu.	St. Cu.	St. Cu.	10	10	9	8	7	7	...	...	...	...	...	p ✱⁰	o *a* : oc *p* : c, cp ✱⁰ *n* :
Nb.	St. Cu.	St.	10	10	8	8	10	7	✱⁰ ≡⁰	✱⁰ ≡⁰	...	...	...	p⁰	oi ✱⁰, o ✱, c *a* : c, o *p* : op⁰ *n* :
St. Cu.	St. Cu.	St. Cu. : Ci.	10	10	10	8	6	5	...	...	...	...	∞	≡⁰	o ●, op ●⁰ *a* : o, c *p* : bc ≡⁰ *n* : [o ● ⚿ ▲ at 22.40 *n* :
Nb.	Nb.	Nb.	10	10	10	10	10	10	● ≡⁰	● ≡⁰	●² ≡⁰	● ≡⁰	●⁰ ≡⁰	● ≡⁰	o ≡⁰, o ● ≡⁰, o ●² ≡⁰ *a* : o ● ≡⁰, o ●⁰ ≡⁰ *p* :
Nb.	St. Cu.	Nb. : St. Cu.	10	10	10	10	8	10	d ⚌⁰	d⁰ ≡⁰	...	●	p⁰	d⁰ ≡⁰	o ●, od ≡⁰, o *a* : o, o ● *p* : op, oid ≡⁰ *n* :
St. Cu.	Nb.	Nb. : St.	10	10	10	7	10	8	...	...	d⁰ ≡⁰	●⁰	d⁰	d⁰	o, oid⁰ ≡⁰ *a* : oi ●⁰, od⁰ *p* : oid⁰ *n* :
—	St. Cu. : Cu. : Ci. St.	St. Cu. : A. Cu. : A. St.	0	4	8	9	8	4	⌴ ∞	∞	...	j p	...	...	b, b ⌴, bc ∞, c *a* : c, op ●², c *p* : c, bc *n* :
Nb.	St. Cu.	Cu. : Ci.	10	10	9	8	6	3	d⁰ ≡⁰	...	...	...	...	...	c, od ≡⁰, o *a* : c, bc *p* : b *n* :
F. Cu.	F. Cu.	St. Cu. : Ci. : Ci. St.	1	6	3	6	6	4	⌴ ⌴	...	y	y	...	...	b ⌴, by *a* : bcy, bc *p* : bc *n* :
St. Cu.	St. Cu.	St. Cu.	8	1	10	10	10	10	⌴ ⌴	...	...	...	...	...	c ⌴, o *a* : o *p* & *n* :
St. Cu.	St. Cu.	St. Cu.	10	8	10	10	10	3	⌴ ...	...	...	...	...	...	o, co *a* : o *p* : o, bc *n* :
Cu : F. Cu.	St. Cu.	F. Cu.	2	9	8	8	2	6	⌴	...	...	...	...	...	b, b ⌴, o *a* : c, b *p* : bc, c *n* : [op ✱⁰, o *n* :
St. Cu.	Cu. : Cu. Nb.	Nb. : St. Cu.	10	10	6	7	10	10	...	p ✱⁰	jp	jp	jp	...	o, op ✱⁰, q ✱⁰ ▲ at 11.40 *a* : op ✱ ▲ *p* :
St. Cu.	St. Cu.	St. Cu.	10	8	8	8	7	9	...	...	...	...	...	...	op⁰, c *a* : c *p* : c, o *n* :
St. Cu. : A. St.	St. Cu.	St. Cu. : Cu. Nb.	10	10	10	9	7	1	...	...	...	...	...	...	o, op *a* : o, c, op ✱⁰, c *p* : bc, b *n* :
—	Cu.	A. St. : Ci. St. : St. Cu.	0	3	6	6	6	10	...	...	y	y	y	...	b ⌴, b, cy *a* : bcy *p* : c, o *n* :
St.	Cu. : St. Cu.	St. Cu.	10	8	8	9	10	6	≡⁰	...	...	p ●	...	...	⊠ 4″-5″ o ✱, op ✱⁰, c *a* : c, o *p* ✱, o *p* : c *n* :
St. Cu.	Cu. Nb. : St. Cu.	Cu. : A. Cu. : St. Cu.	5	10	8	10	4	5	...	...	p △ ●	p ●	...	...	o ● ≡⁰, bc, oc, op ▲ ● *a* : o ●, c *p* : c, bc *n* :
A. St.	St. Cu. : A. St.	Cu. Nb. : Ci. St. : St. Cu.	2	3	10	10	8	3	...	y	y	p △	...	⊃	b ⌴, o, oy *a* : o, op ● △ *p* : bc ⊃ *n* :
A. St. : Ci.	Nb. : St. Cu.	St. Cu. : Cu.	6	10	10	8	3	4	⌴	...	d	...	...	...	bc, bc ⌴, od *a* : op ●, bc *p* : c, bc *n* :
Cu.	St. Cu.	St. Cu.	4	9	9	8	10	10	...	...	y	...	...	d ≡⁰	bc, oy *a* : oc, op⁰ *p* : o, o ●, od ≡⁰ *n* :
Nb.	Nb.	St.	10	10	10	10	10	10	d	d	d ≡⁰	d ≡⁰	≡⁰	≡⁰	od⁰ *a* : od, od ≡⁰ *p* : o ≡⁰, oid *n* :
			7·9	8·5	8·9	8·6	7·8	7·2							

7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks.
Cloud Forms.			Cloud Amount (All Forms).						Weather.						

200. Eskdalemuir. **May, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	F. Cu. : Ci.	St. Cu.	St. Cu. : Ci. Cu.	5	7	9	10	5	2	...	...	...	●	...	...	od⁰ *a* : od, od ≡⁰ *p* : o ≡⁰, oid *n* :
2	St. Cu.	St. Cu.	St. Cu.	10	8	8	10	5	10	...	...	...	...	...	...	oco *a* : o, bc *p* : bc, o *n* :
3	St. Cu. : Ci.	St. Cu. : A. Cu.	St. Cu. : Ci. St.	8	8	7	9	4	2	p	...	...	...	...	...	c, o ≡⁰, c *a* : o, bc *p* : bc, b *n* :
4	St.	St. Cu.	St. Cu.	10	10	10	10	10	9	≡⁰	≡	...	...	...	...	co, o ≡, o *a* : oc, o *p* : o *n* :
5	St. : St. Cu.	Cu. : A. St.	A. St. : Ci.	10	10	10	10	7	9	...	...	...	...	...	...	o, co *a* : oc *p* : co *n* :
6	St. Cu.	St. Cu.	Nb. : A. St.	10	10	10	9	10	7	...	...	...	...	●	...	o, co *a* : co, op ●⁰ *p* : o ●, oc *n* :
7	Cu. : A. St.	Cu. : F. Cu.	St. Cu.	2	5	6	6	3	9	...	...	y	y	...	p⁰	c bc, b ⌴, cy *a* : cy, b *p* : b, o, op⁰ *n* :
8	St. Cu.	Cu. : F. Cu.	Cu. : F. Cu.	10	10	4	7	6	1	...	p	...	...	y	...	o, op⁰, bc *a* : bc, c, bcy *p* : bcy, b *n* :
9	St. Cu.	St. Cu. : Ci. St.	Nb.	10	10	9	7	10	10	...	≡⁰	...	...	●	●	o, od⁰, o, o ●⁰, c *a* : co T, op ● *p* : o ● *n* :
10	Ci. St.	Nb.	Nb.	2	5	10	10	10	10	...	...	p	●	●	p	bc, b ⌴, bc o, op, *a* : o, ● *p* : o ●, op *n* :
11	St. Cu. : Ci. St.	Nb.	St. Cu. : Ci. St.	8	9	10	10	10	9	...	d⁰	✱⁰	✱	...	...	op ●, c, oi ●⁰, ✱⁰ *a* : oi ✱, o *p* : o *n* :
12	St. Cu. : A. Cu.	Nb. : Cu.	Cu.	5	5	8	9	6	3	...	...	p ✱	...	...	...	bc, co ✱ *a* : op ✱, bc *p* : bc, b *n* :
13	St. : St. Cu.	Cu. : St. Cu.	Ci. St. : St. Cu. Cu. : Cu. Nb.	10	10	8	9	5	6	...	...	...	...	...	d⁰	o ●⁰, op⁰ & c *a* : c & op to bc *p* : op ●, od, c
14	St. Cu. : A. St.	Nb.	Nb.	10	10	10	9	10	10	...	●⁰	p △ ●	...	●	d	o, o ●⁰ ▲⁰ *a* : c, op ● ▲, c *p* : oi ●⁰ *n* :
15	St.	St. Cu.	Cu. : Ci. St.	10	10	9	7	5	6	≡⁰	d⁰ ≡⁰	...	...	...	...	o ● q ✱, ✱², c & o *a* : c & o *p* : c, bc *n* :
16	Cu. : St. Cu.	St. Cu. : Cu. Nb.	St. Cu. : A. St.	10	8	8	9	10	10	...	...	...	p ✱	...	p ✱	o ●⁰ early, o, c, op ✱ *a* : c, o p ✱ *p and n* :
17	Cu. : St. Cu.	St. Cu.	St. Cu.	6	10	8	8	6	2	...	...	...	...	...	...	bc, c & o *a* : c, be *p* : bc to b *n* :
18	St. Cu.	Nb. : St. Cu.	Nb. : St. Cu.	10	9	10	10	10	10	...	...	●⁰	●⁰	●⁰	...	be, o, o ●⁰ *a* : oi ●⁰ *p and n* :
19	Nb.	Nb.	Nb.	10	10	10	10	10	10	d ≡⁰	...	● ≡⁰	●	d	...	od ≡⁰ to o ●⁰ ≡⁰ *a* : o ●⁰, od & o *p and n* :
20	Nb.	Nb.	St. Cu.	10	10	10	10	10	5	d⁰ ≡⁰	● ≡⁰	≡⁰	● ≡⁰	...	...	oid⁰, o ●⁰ ≡⁰ *a* : o ● ≡⁰, o ≡⁰ *p* : o, bc *n* :
21	St. Cu.	St. Cu.	Cu. : A. Cu.	10	10	8	8	5	10	...	...	...	...	...	...	o ●⁰ early, op⁰, o & c *a* : c, be *p* : c to o *n* :
22	Cu. : F.Cu. : Ci.Cu.	St. Cu.	Nb. : St. Cu.	7	8	10	10	10	10	...	...	...	●⁰	d⁰	...	o, bc, o *a* : o, o ●⁰ *p* : o *n* :
23	Cu. : F. Cu.	Cu. Nb. : Cu.	St.Cu.: Cu.Nb.: A.St.	2	6	8	9	10	5	...	...	...	...	...	...	o, b, op ●², c *a* : cp ●⁰ to bc *p* : o, bc *n* :
24	Cu.	St. Cu.	St. Cu. : Nb.	2	8	10	10	10	10	...	...	...	...	d⁰	● ≡⁰	b, bc, op⁰ *a* : o, op⁰ *p* : od, o ● ≡⁰ *n* :
25	St. Cu.	Cu. : Cu.Nb.	St.Cu.: Ci.St.: Cu.Nb.	10	7	8	8	5	4	...	...	...	jp	...	...	b early, o ●, c, op ▲ q *a* : c, op ▲ ● *p* : bc *n* :
26	St. Cu.	St. Cu.	St. Cu. : Ci. St.	9	9	9	7	9	10	...	...	...	...	...	d	bc, c, op *a* : op, bc, od⁰ *p* : op ●⁰, od *n* :
27	St. Cu.	St. Cu.	St. Cu.	10	10	10	9	10	10	...	...	...	...	...	...	o, co *a* : o *p and n* :
28	Nb. : St. Cu.	St. Cu.	St. Cu.	9	9	10	9	8	8	p⁰	p⁰	...	...	...	...	o, cpd⁰, o *a* : o, c *p* : c *n* :
29	F. Cu.	F. Cu.	St. Cu.	5	1	2	4	6	10	...	...	...	...	...	...	c, bc, b *a* : b, bc *p* : bc, o *n* :
30	Nb.	St. Cu.	St. Cu.	10	10	10	10	10	10	d⁰	...	...	...	...	...	o, od⁰, o *a* : o *p* : od⁰, o *n* :
31	St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	...	d⁰	...	...	...	...	o, od⁰, o *a* : o *p and n* :
Mean Cloud Am'nt				8·1	8·5	8·7	8·8	7·9	7·6							

201. Eskdalemuir. **June, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St.	St. Cu.	St. Cu.	10	10	9	10	8	10	...	...	...	...	...	...	o, co *a* : oc *p* : o *n* :
2	St.	Cu. : Ci.	Cu. : Ci.	10	6	5	4	3	8	...	...	y	y	...	...	o, bc, bcy *a* : bcy, b *p* : b, c *n* :
3	Cu. : Ci. St.	St. Cu. : A. St.	St. Cu.	8	10	10	10	10	10	...	...	...	...	...	...	c, o *a* : o *p and n* :
4	St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	...	...	...	...	...	p⁰	op⁰ early, o *a* : o *p* : o, op⁰ *n* :
5	Ci.Cu. : A.Cu. : F.Cu.	Nb. : St. Cu.	Nb. : Cu.Nb. : St.Cu.	3	7	10	10	10	10	...	...	p⁰	p⁰	p⁰	...	bc, c, op⁰ *a* : op, o ●⁰ *p* : op, o *n* :
6	Nb. : St. Cu.	St. Cu. : A. St.	St. Cu.	10	10	10	10	10	10	d⁰	...	...	...	...	jp	co, opd⁰, o *a* : o, op⁰, o *p* : o *n* :
7	Nb. : St. Cu.	Cu. Nb. : St. Cu.	St. Cu.	10	10	10	9	10	10	d⁰ ≡⁰	...	...	...	...	...	o, od⁰ ≡⁰, o *a* : o *p and n* :
8	Nb. : St.	Nb.	Nb.	10	10	10	10	10	9	d⁰ ≡⁰	●	●	●	●	...	o, od⁰ ≡⁰, o ● *a* : o ●, o ●⁰ *p* : o ●⁰, o
9	Nb.	Nb.	Nb.	10	10	10	10	10	10	d ≡⁰	p⁰	d ≡⁰	d ≡⁰	d ≡⁰	d ≡	o, co, d ≡⁰, op *a* : od ≡⁰ *p* : od ≡⁰, od ≡
10	St. Cu.	St Cu	St. Cu. : Cu.	10	10	7	10	5	10	...	d ≡⁰	...	p⁰	...	...	o, od ≡⁰, op ●², c *a* : op ●², c *p* : bc, od⁰
11	Cu. : F. Cu. : Ci.	Cu.	St. Cu.	5	2	6	7	5	2	...	...	y	y	...	...	op, bc, by *a* : bcy, cy, bc *p* : b *n* :
12	Nb.	Nb.	St.	10	10	10	10	10	10	●	● ≡⁰	●⁰	...	...	...	o, o ●, oi ●⁰ *a* : o ●⁰, o *p* : o *n* :
13	F. St. : St. Cu.	St. Cu.	St. Cu.	9	10	10	10	10	7	...	...	...	...	...	...	o ●, op ●, o *a* : o *p* : o, co *n* :
14	Cu.	Cu.	St. Cu. : Ci. St.	4	6	6	6	8	9	...	...	...	y	...	...	bc *a* : bcy, c *p* : co ⊕ *n* :
15	St.	Nb.	St.	10	10	10	10	10	10	p	...	d⁰ ≡⁰	d	...	●⁰	o p, o, od⁰ ≡⁰ *a* : od⁰, o *p* : od⁰, o ●⁰
16	St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	...	...	...	...	...	...	c, o *a* : o *p and n* :
17	Cu. : F. Cu.	Cu. : Ci. St.	Cu. : A. St.	1	6	10	10	10	10	p	...	...	...	...	●	b, bc, o *a* : o ⊕ *p* : o, o ● *n* :
18	St.	St. Cu.	St. Cu. : Ci.	10	10	6	7	7	4	≡⁰	≡⁰	...	...	...	...	o, o ≡⁰, c *a* : c *p* : c, bc *n* :
19	Cu.	St. Cu.	St. Cu. : A. Cu.	3	8	9	9	8	7	...	...	...	...	...	...	bc, co *a* : o, c *p* : c *n* :
20	St. Cu.	St. Cu.	St. Cu. : Ci. Cu.	9	8	8	8	8	10	...	...	...	...	...	...	bc, c *a* : co *p* : o *n* :
21	St. Cu.	St. Cu. : A. St.	St. Cu. : A. St.	10	10	10	9	10	10	≡⁰	...	...	...	...	...	o, op⁰, o *a* : o *p and n* :
22	St. Cu.	St. Cu.	St.	10	10	10	10	10	10	...	...	...	...	...	d ≡⁰	op⁰, o *a* : o *p* : o, od⁰ ≡⁰ *n* :
23	St. Cu.	Cu. : Ci. St.	St. Cu.	10	6	6	3	9	10	...	...	...	...	...	...	o, bc *a* : bc, o *p* : o *n* :
24	Nb. : St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	jp	...	...	jp	...	d⁰ ≡⁰	overcast all day, od⁰ ≡⁰ 21–24 hrs. *a*, *p*, *n*
25	Cu. : Ci. St.	Cu. : Ci. St.	St. Cu.	9	10	10	9	10	5	...	...	...	...	...	...	o to o *a* : o *p* : o to bc *n* :
26	Ci. St. : Ci.	Cu. : Ci. St.	St. Cu.	8	9	6	6	9	10	...	...	...	y	y	...	bc to o, bc *a* : bcy, cy to o *p and n* :
27	A. St.	St. Cu. : F. Cu.	St. Cu.	10	10	8	10	10	10	...	...	...	...	...	...	o & c *a and p* : o & op⁰ ● *n* :
28	St. Cu.	Cu. Ci.	Cu. Ci.	10	7	7	5	4	6	...	...	...	...	...	...	o & c *a* : c to bc *p* : bc *n* :
29	Ci. : Ci. St.	Cu.	St. Cu.	8	8	7	6	6	7	d	...	...	...	...	...	bc & c *a*, *p*, *n* :
30	Nb.	St Cu.	St Cu.	10	8	9	9	8	9	...	...	...	...	...	...	c to o, od, c *a* : o & c *p and n* :
Mean Cloud Am'nt				8·6	8·7	8·6	8·6	8·6	8·8							

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.

02. Eskdalemuir. **July, 1923.**

Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
St. Cu.	St. Cu.	St. Cu. : Ci. Cu.	10	10	10	9	9	10	...	...	...	...	...	...	Mainly overcast, p⁰ ● 2oh. *a*, *p*, *n* :
St.	St. Cu.	Nb.	10	10	10	10	10	10	≡	≡⁰	...	●⁰	●⁰ ≡⁰	d⁰ ≡⁰	o ≡, o ≡ ⋮ to o *a* : o, o ● ≡⁰ *p* : od⁰ ≡⁰ *n* :
Nb.	Nb.	St. Cu.	10	10	10	10	8	10	d ≡⁰	d ≡⁰	d ≡⁰	≡⁰	...	≡ ⋮	od ≡⁰ *a* : o & od ≡⁰, c *p* : c to o ≡ ⋮ *n* :
St. Cu. : A. Cu.	Nb.	St.	10	10	10	10	10	10	...	...	d ≡⁰	d ≡⁰	≡ ⋮	≡ ⋮	o ≡⁰, o, d ≡⁰ *a* : od ≡⁰ to o ≡ ⋮ *p* : o ≡ ⋮ *n* :
Nb.	St.	St.	10	10	10	10	10	9	d ≡⁰	d ≡⁰	≡⁰	≡⁰	...	...	od ≡⁰ & o ≡⁰ *a and p* : o, c & o *n* :
A. Cu. : A. St.	Ci. St. : Cu.	A. St. : A. Cu.	7	5	4	4	6	10	∞	∞	∞ y	∞ y	∞	...	c ∞, bc, o ∞ *a and p* : bc ∞ to o *n* :
Cu. : A. St. : A. Cu.	St. Cu. : St.	St. Cu.	9	7	10	9	10	10	∞	∞	...	≡⁰	≡⁰	≡⁰	c & o ∞, ⟦ and T *a* : ⟦, o ≡⁰ *p* : o ≡⁰ *n* :
St.	St.	St. Cu. : Cu.	10	10	10	8	3	9	≡ ⋮	≡ ⋮	≡⁰	...	...	∞	o ≡ ⋮ to o ≡⁰ *a* : o ∞ to bc *p* : bc, o ∞ *n* :
St. Cu.	St. Cu. : A. Cu.	St. Cu. : Ci. : Ci. Cu.	10	10	6	5	5	10	...	...	...	...	∞	∞	o to bc *a* : bc ∞ *p* : bc to o ∞ *n* :
Nb.	St. Cu. : Ci. St.	A. St. : Nb.	10	10	4	8	10	10	● ≡⁰	● ≡⁰	...	...	p⁰	∞	o ●⁰ ≡⁰ at first, bc *a* : bc, op⁰ ● ∞ *p* : o & [op⁰ ● *n* :
St. Cu.	Cu.	St. Cu. : Cu. Nb.	10	10	6	6	5	5	...	...	∞	∞	∞	∞	op⁰ ● early, bc ∞ *a* : bc ∞ *p and n* :
St.	Cu.	Cu. : Ci. St.	10	2	3	2	2	1	≡ ⋮	...	y	y	...	...	o ≡ ⋮, b *a* : by to b *p and n* :
St. Cu.	F. Cu.	A. Cu. : St. Cu.	7	4	2	2	5	5	...	...	...	...	...	∞	b, c to bc *a* : b & bc *p* : bc ∞ *n* :
St.	St. Cu.	St. Cu.	10	8	8	10	10	10	...	...	...	...	...	≡⁰	o & c *a* : c to o *p* : o, o ≡⁰ *n* :
St.	St.	Nb.	10	10	10	10	10	10	≡ ⋮	≡ ⋮	≡ ⋮	≡ ⋮	●⁰	d⁰ ≡⁰	o ≡ ⋮ till 15h., then od⁰ ≡⁰ *a, p and n* :
St. Cu.	St. Cu.	St. Cu.	10	10	9	9	10	10	...	...	...	...	...	...	o ●⁰ early, c *a* : o *p* : o, op⁰ ●, o *n* :
St. Cu.	St. Cu.	Nb. : St. Cu.	10	9	9	9	10	10	...	p ●	...	...	p ●	...	o & op⁰ ● *a*, *p and n* :
St. Cu.	St. Cu.	St. Cu.	8	9	10	9	7	8	...	jp	...	...	...	...	o & c *a* : o, op ● to c *p* : c *n* :
Nb.	Nb.	St. Cu.	10	10	10	10	10	10	●⁰ ≡⁰	● ≡⁰	d ≡⁰	d ≡⁰	...	d⁰ ≡⁰	od ≡⁰, o ●⁰ ≡⁰ *a* : od⁰ ≡⁰ & o *p and n* :
Nb. : St. Cu.	St. Cu. : F. Cu.	Nb. : St. Cu.	9	2	3	6	10	10	jp	...	y	...	p⁰	jp	o ● early, o to by *a* : bc to op⁰ ● *p* : o & [op ● *n* :
St. Cu.	St. Cu.	St. Cu.	7	6	9	10	10	10	...	...	...	p⁰	...	...	bc to o *a* : o & op⁰ ● *p* : o *n* :
Nb.	Nb.	Nb.	10	10	10	10	10	10	d⁰ ≡⁰	d⁰ ≡⁰	d⁰ ≡⁰	d⁰ ≡⁰	d⁰ ≡⁰	...	od⁰ ≡⁰ *a* : od ≡⁰ & o ● ≡⁰ *p* : od⁰ ≡⁰ & o *n* :
Nb.	Cu.	Nb. : St. Cu.	10	10	7	10	10	6	●	...	y	...	p	...	o ●⁰ at first, cy *a* : o & op⁰ ● *p* : op⁰ ● to
St. Cu.	St. Cu.	Nb.	10	5	10	10	10	10	...	...	...	...	p⁰	...	bc, op⁰ ●, bc & o *a* : o & op⁰ ● *p and n* : [bc *n* :
Nb. : St. Cu.	St. Cu. : Nb.	St. Cu.	10	8	10	8	4	9	p⁰	...	jp	...	...	...	op⁰ ●, c *a* : c, op⁰ ● to bc *p* : bc to o *n* :
St. Cu.	St. Cu.	Cu. ; F. Cu.	9	10	8	5	4	6	...	p	...	...	...	...	op⁰ ● & c *a* : c to bc *p* : bc *n* :
A. St. : A. Cu.	St. Cu.	St. Cu. : A. St.	8	7	9	8	9	10	...	...	...	...	...	●⁰ ≡⁰	bc, c & o *a* : o & c *p* : o, o ●⁰ ≡⁰ *n* :
Nb.	St.	St.	10	10	10	10	10	10	d⁰ ≡	d ≡⁰	...	● ≡⁰	...	≡⁰	o ● ≡⁰ & o ≡⁰ *a*, *p and n* :
St. : St. Cu.	St. Cu. : Nb.	Nb. : St.	10	10	10	10	10	10	≡⁰	...	p⁰	d⁰	p⁰	...	o ● ≡⁰ to op⁰ ● *a* : op⁰ ● *p and n* :
St. Cu.	Nb. : St. Cu.	Nb. : St. Cu.	4	7	9	10	10	10	...	...	jp	...	jp	● ≡⁰	op ● & bc *a* : op ● *p* : o ● ≡⁰ *n* : [c & o *n* :
St. Cu.	Nb. : St. Cu.	Nb.	10	10	9	10	10	9	≡⁰	d	jp	jp	●	...	o ≡⁰ to op⁰ ● *a* : op ●² T to o ● *p* : o ●,
			9·3	8·4	8·2	8·3	8·3	8·9							

03. Eskdalemuir. **August, 1923.**

St. Cu. : A. Cu.	St. Cu. : Cu.	St. Cu. : Cu.	6	10	7	6	8	1	...	...	...	...	...	...	o, bc, op ● *a* : c, bc to c *p* : c to b *n* :
St. : A. St.	St.	Nb.	10	10	10	8	10	10	p	●	...	...	●	● ≍	bc, o p, o ●, o *a* : o, c to o ● *p* : o ●, o ●²
Nb.	St. Cu. : Ci.	St. Cu.	10	10	9	8	7	8	d	d	...	...	...	...	o ● ≡⁰, op ●, o *a* : cp ●⁰ *p and n* : [≍ ≡⁰ *n* :
Cu.	Cu. : Ci.	A. Cu. : Ci.	7	8	8	7	7	7	...	...	y	y	...	...	c, bcy *a* : cy to c *p and n* :
A. St. : Ci. St.	A. Cu.	Nb. : St. Cu.	9	9	5	9	10	10	...	...	...	...	d⁰	●⁰ ≡⁰	o to bc *a* : bc, op⁰ ● *p* : op⁰ ● ≡⁰ *n* :
St. : St. Cu.	Nb.	Nb.	10	10	10	10	10	10	...	...	●⁰	p ●⁰	d⁰ ≡⁰	d ≡⁰	o, o ●⁰ *a* ; op⁰ ●, o ●⁰ ≡⁰ *p* : o ●⁰ ≡⁰ *n* :
Nb.	Nb.	St. : St. Cu. : Ci.	10	10	10	10	9	9	● ≡⁰	d ≡⁰	d ≡⁰	d ≡⁰	...	...	o ● ≡⁰, o ●⁰ ≡⁰ *a* : op ●⁰ ≡⁰, o *p* : o *n* :
A. Cu. : Ci. St.	Nb.	Nb.	7	7	10	10	10	10	...	...	d ≡⁰	d ≡⁰	d ≡⁰	d ≡⁰	c, o ●⁰ ≡⁰ *a* : op⁰ ● ≡⁰ e *p* : o ●⁰, op ●²
Nb.	St. Cu.	St. Cu. : Ci.	10	10	9	8	9	9	d	...	...	...	...	...	o ● ≡⁰ e, c & o *a* : c & o *p and n* : [≡⁰ e *n* :
Nb.	St. Cu.	St.Cu. : A.Cu. : Ci.St.	10	8	10	7	9	6	d⁰	...	...	...	⊕	...	o, o ●⁰ to c *a* : c to o, ⊕ *p* : o to bc *n* :
St. Cu. : A. St.	Cu.	St. Cu. : Ci. St.	10	6	9	7	7	3	...	...	...	...	...	...	o, bc to o *a* : o to c *p* : c ⊕ to b *n* :
A. St.	A. St.	St. : A. St.	10	10	10	10	8	9	...	...	d	d	...	...	o, od *a* : opd *p* : o *n* :
Nb.	St.	F. Cu.	10	10	10	9	1	1	● ≡⁰	≡⁰	≡⁰	...	...	...	o, od, p ● ≡⁰, o ≡⁰ *a* : op⁰ ● to b *p* : b *n* :
St. Cu.	St. Cu.	St. Cu. : A. St.	10	10	10	9	10	9	...	...	...	...	...	...	b to o p, o *a* : o, op⁰ ●, o *p* : o *n* :
St. Cu.	St. Cu.	Cu. : F. Cu.	8	8	8	8	7	7	pp	...	...	...	...	...	o, c p, c & op ● *a* : c & op ● *p and n* :
St. Cu. : A. St.	St. Cu. : A. Cu.	Nb. : St.Cu. : A.St.	10	10	9	10	10	10	...	...	...	...	p⁰	●	o *a and p* : op ●, o ●, p ●² *n* :
St.	Nb. : A. Cu.	St. Cu.	10	10	10	9	10	10	...	...	p ●	...	...	d	o ●, op ●² *a* : op ● *p* : opd *n* :
Nb. : St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	d⁰	pd	...	●⁰	...	...	op ●, opd *a* : op ●⁰ *p* : op ● to o *n* :
St. Cu.	St. Cu.	Nb. : St. : St. Cu.	9	10	10	9	10	10	...	...	...	...	jp	...	o *a* : o to p ●⁰ *p* : op ●⁰ *n* :
St. : F. St. : St. Cu.	St. Cu.	Nb.	10	10	10	10	10	10	...	...	...	...	● ≡⁰	● ≡⁰	o *a* : o to o ● ≡⁰ *p* : o ● ≡⁰ *n* :
Nb.	St. Cu.	Cu. : F. Cu.	10	10	9	9	5	3	●	●	...	...	...	...	o ● to op ● *a* : op ●, bc *p* : bc, b to o *n* :
St. : F. St. : Nb.	Nb. : St. Cu.	Cu. Nb. : St. Cu.	10	5	9	9	9	2	●⁰	p⁰	jp	...	jp	...	op ●, op ●² *a* : o, ojp *p* : o, b to o *n* :
St.	Nb.	Nb.	10	10	10	10	10	10	...	...	●	●	d ≡⁰	● ≡⁰	o ● & o *a* : o ●, od ≡⁰ *p* : od ≡⁰, o, op ●²
St. : Ci.	St. Cu.	St. Cu.	3	6	9	10	10	3	...	...	...	...	...	...	o, bc, op *a* : o *p* : op ● to b *n* : [≡⁰ *n* :
F. St. : St. Cu.	St. Cu.	Nb.	10	10	10	10	10	10	...	...	...	● ≡⁰	● ≡⁰	≡⁰	b, o *a* : op, o ● ≡⁰ *p* : o ● ≡⁰, op ● *n* :
Nb.	Cu.	Nb. : St. Cu.	10	10	9	9	10	9	d⁰	...	...	jp	p ●	...	op ●, opd *a* : op ●² *p* : op ●² to op *n* :
St. Cu.	St. Cu.	Nb. : St. Cu.	10	10	9	10	10	10	...	...	...	jp	p ●	...	op ● & c *a* : op ● *p* : op, o *n* :
Nb.	St. Cu.	St. Cu.	10	10	8	8	4	3	d	d⁰	...	...	...	...	opd, c *a* : c & op, bc *p* : bc, b, c *n* :
Nb.	Nb.	Nb.	10	10	10	10	10	10	d	...	●	●	● ≡⁰	● ≡⁰	c to opd *a* : o ●, o ● ≡⁰ *p* : o ● ≡⁰ *n* :
St. Cu. : A. St	Nb.	St. Cu. : Ci.	10	10	10	9	7	1	...	...	p	...	...	...	o, op ● *a* : op ●², bc, c *p* : c to b < *n* :
Nb.	Nb.	St. Cu.	10	10	10	10	9	10	d	...	p	p ●⁰	...	...	od, o & op *a* : op, op ●² ▲, o *p* : o, op *n* :
			9·3	9·2	9·3	9·0	8·6	7·4							

7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks.
Cloud Forms.			Cloud Amount (All Forms).						Weather.						

204. Eskdalemuir. **September, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu.	St. Cu.	Cu. Nb. : St. Cu. : Ci.	10	8	10	9	9	8	...	...	...	...	...	...	o & c *a* : o, c, ● (17.15) *p* : o, c *n* :
2	St. Cu.	Cu.	Cu.	2	6	6	5	3	0	...	...	y	y	...	...	b, bcy *a* : bcy *p* : b *n* :
3	St. Cu.	St. Cu.	St. Cu.	6	9	10	10	10	10	␣	...	...	...	...	...	o␣ to o *a* : o *p and n* : [bc to o *n* :
4	St. Cu. : A. St.	Cu. : Ci.	Cu. : Ci. St. : A. St.	10	6	5	8	9	4	...	...	y	...	...	...	o● early, bcy *a* : bcy, c, op^0● *p* : o, op^0●.
5	Nb.	Nb. : St. Cu.	St. : Nb.	10	10	10	10	10	10	d≡^{0}	d≡^{0}	d	...	d^0	...	o●, od^0≡^{0} *a* : od, o *p* : o & od^0 *n* :
6	St. Cu.	St. Cu.	Nb.	10	10	10	10	10	10	...	...	...	...	●≡^{0}	...	o *a and p* : o●, od≡^{0} *n* :
7	St. Cu. : Cu.	St. Cu. : Cu.	Cu.	6	7	7	7	3	1	...	...	...	...	...	...	bc, c *a* : c to bc *p* : b, b␣ *n* :
8	St.	St. Cu.	St. : Nb.	10	10	10	9	10	10	≡	...	...	...	d^0	...	b␣ early, o≡, o *a* : o, od^0 *p* : od^0, o *n* :
9	St. : St. Cu.	Nb.	St. Cu.	10	10	10	10	9	9	...	...	d≡^{0}	d≡^{0}	...	...	o early ; od≡^{0} *a* : od ≡^{0} to o *p* : o, bc *n* :
10	St. : A.Cu. : Ci.	Cu. : St. Cu. : Ci. St.	St. Cu. : A. Cu.	7	6	10	8	8	10	...	...	y	...	...	...	bc, op●, bc to oy *a* : oy, c *p* : c & o *n* :
11	St. : F.St. : A.Cu. : Ci.	St. Cu.	Nb.	8	10	10	10	10	10	...	...	...	jp	●	●^{2}	c, o *a* : o, op●^{0}, o● *p* : o●, o●^{2} *n* :
12	Nb.	St. Cu. : A. Cu.	St. Cu. : A. Cu.	10	10	9	8	10	9	●≡^{0}	●^{0}	...	...	...	...	o●≡^{0} to o *a* : o & c *p* : c to o *n* :
13	Nb.	Nb.	St.	10	10	10	10	10	10	●≡^{0}	●≡^{0}	d≡^{0}	...	...	...	o●≡^{0} to od≡^{0} *a* : od≡^{0} to o *p* : o, o● *n* :
14	St. Cu.	St. Cu. : Cu. : Ci.	St. Cu. : Ci.	9	8	8	7	7	7	...	...	...	...	...	...	o● early, c *a*, *p and n* :
15	St. Cu.	St. Cu. : Nb.	St. Cu.	10	10	9	8	6	3	...	...	p^0	p^0	...	...	bc to op^0● *a* : o, cp●, bc *p* : bc to b *n* :
16	Nb. : Cu. : F. Cu.	Cu : F. Cu.	Cu. : F. Cu. : Ci.	7	9	7	8	7	6	p^0	...	...	...	...	...	o● early, c & op● *a* : c, cp● *p* : c, bc *n* :
17	St.	Nb.	Nb.	10	10	10	10	10	10	...	...	●	●	●	●	o, op^2●, o & o● *a* : o● *p and n* :
18	St. Cu. : A. St.	St. Cu. : A. Cu.	St. Cu.	10	9	6	6	5	2	...	...	...	...	...	...	o to bc *a* : bc, cp△ at 17h. *p* : bc to b *n* :
19	St. Cu. : Ci.	St.	Nb.	9	10	10	10	10	8	...	...	●	d^0≡^{0}	●≡^{0}	⋓	b, op^0●, o● *a* : o●^{0}, od≡^{0}, o●≡^{0} *p* : [o●≡^{0}, c⋓ *n* :
20	Nb.	St. Cu.	St. Cu. : St. : A. St.	10	8	7	6	10	10	●	...	...	...	...	...	c & o, cp● *a* : c, bc to o *p* : o *n* :
21	St.	St. Cu.	St. Cu. : A. Cu.	10	10	7	6	2	10	...	...	...	...	...	...	o, op●, c *a* : c to b *p* : b to o *n* :
22	St. Cu.	St. Cu.	Nb. : St. Cu.	8	8	9	9	10	10	...	p	...	...	p^2●	●	c & op● *a* : op● *p* : op^2●, o, o● *n* :
23	St.	St. Cu.	Nb. : St. Cu.	10	10	8	8	8	10	≡^{0}	...	...	...	p	p	o, o≡^{0}, op● to c *a* : c to cp *p* : c, op● *n* :
24	St. Cu.	St. Cu.	St. : St. Cu. : A. St. : Ci. St.	8	1	9	6	10	10	...	...	...	...	...	...	c, b to o *a* : o, bc, o *p* : o *n* :
25	Nb.	St. Cu. : Nb.	Nb.	10	10	10	10	10	7	o●^{2}≡	●≡^{0}	●^{0}	●^{2}	●^{2}	...	o●^{2}, o●≡^{0} *a* : o●, o●^{2} *p* : o● to c *n* :
26	Nb. : St. : St. Cu.	St. Cu.	Nb.	10	10	10	10	10	10	pd	...	...	d^0	●	d≡^{0}	o, o● to o *a* : o, od^0, o● *p* : od, o●≡^{0} *n* :
27	St.	Nb.	Nb.	10	10	10	10	10	10	...	d	●^{2}≡^{0}	●^{2}≡^{0}	●≡^{0}	d≡^{0}	od, o●≡^{0}, o● *a*:o●, o●≡^{0} *p*:o● to od *n* :
28	St. : St. Cu.	St. Cu. : Cu. : F. Cu.	St. Cu. : A.Cu. : A. St.	10	9	8	7	8	9	...	...	...	...	...	...	o, o●␣ at first, o to c *a* : c & bc *p* : c, o *n* :
29	St.	St.	St.	10	10	10	10	10	10	e	≡^{0}	≡⋮	≡⋮	d≡⋮	≡⋮	o≡⋮, od^0≡^{0}, o≡⋮ *a* : o≡⋮ & od≡ *p and n* :
30	St.	St.	St.	10	10	10	10	10	10	≡⋮	≡⋮	≡⋮	≡^{0}	≡^{0}	≡^{0}	o≡⋮ to o≡^{0} *a*, *p and n* :
Mean Cloud Am'nt				9·0	8·8	8·8	8·5	8·5	8·1							

205. Eskdalemuir. **October, 1923.**

1	St. Cu.	Cu. : St. Cu. : Ci.	St. Cu.	10	9	6	7	6	7	...	...	...	...	...	...	op^0● early, o to bc *a* : c & bc *p and n* :
2	St. Cu.	St. Cu.	St. Cu. : A. Cu. : A.St.	3	3	9	7	7	7	...	...	...	...	...	...	c to op^0● early, b to o *a* : c *p and n* :
3	Nb.	St.	St. : St. Cu.	10	10	10	10	10	1	d^0≡^{0}	...	...	≡^{0}	...	...	c, od ≡^{0}, o●^{0} *a* : o ● ≡^{0} to o≡^{0} *p* : [op● to b *n* :
4	St. Cu.	St. Cu.	St. Cu. : Ci. St.	1	3	5	9	8	1	...	...	...	...	...	...	b to bc *a* : bc, o & c *p* : c to b *n* :
5	Nb.	Nb.	St.	10	10	10	10	10	5	d^0≡^{0}	≡^{0}	d≡^{0}	≡^{0}	≡^{0}	...	b to od^0≡^{0}, o≡^{0} *a* : od & ●^{0}≡^{0} *p* : o≡^{0}, [op● to bc *n* :
6	St. : St. Cu.	St. Cu.	St. Cu.	10	10	8	9	8	10	...	d^0	...	...	...	●	bc, od^0, op●, c *a* : cp● *p* : c & o, o●^{0} *n* :
7	St. : St. Cu.	Nb. : St.	St. Cu. : A. St.	10	10	10	10	8	6	...	d≡	jp	jp	...	...	o●, od≡^{0} to o *a* : o, od≡^{0} to c *p* : c, op●
8	St. Cu.	St. Cu.	Nb.	8	9	10	10	10	10	...	...	...	...	●≡^{0}	●≡^{0}	c & o *a* : o, o● *p* : o●≡^{0} *n* : [to bc *n* :
9	St. Cu.	St. Cu.	St. Cu. : Ci. St.	9	10	9	10	6	5	...	...	y	...	...	...	o●, op● early, oy *a* : oy, op● *p* : bc,
10	St.	St.	St. Cu. : A. St.	10	10	10	10	10	10	...	●	...	●	...	p●	c, o● *a* : o● & o : *p* : o, op● *n* : [op● *n* : [c & bc *n* :
11	St. : F. St.	Cu. : F. Cu.	St. Cu. : Ci. St.	7	5	5	5	7	7	p	...	y	...	...	...	cp●, bc at first, bcy *a* : bc, op● to c *p* :
12	Nb.	St. Cu.	St. Cu.	10	10	9	10	1	3	●	●	...	d	...	...	o, o●△ to o *a* : o●, d to b *p* : b & bc *n* :
13	St.Cu. : St. : Ci. : F.St.	St. Cu. : A. St.	St. Cu.	7	9	10	10	2	2	...	...	...	...	...	...	b to o *a* : o to b *p* : b & bc *n* :
14	St. Cu.	St. Cu. : Cu.	St. Cu.	1	2	9	8	6	1	␣	...	...	...	...	...	b␣, b to o *a* : o & c *p* : bc, b *n* :
15	St.	St.	Nb.	10	10	10	10	10	10	...	...	...	...	●^{0}	●	b to o, od^0 *a* : o, od^0 *p* : o & o●^{0} *n* :
16	St.	St. Cu.	...	7	9	6	1	0	8	...	...	...	...	...	...	oc to bc *a* : bc, b *p* : b to c *n* :
17	St. Cu.	St. Cu.	St. Cu. : A. Cu.	9	5	7	10	7	9	...	...	...	...	≡^{0}	≡^{0}	o, bc to c *a* c & o *p* : o, o≡^{0} *n* : [od≡^{0} *n* :
18	St. Cu.	Cu.	Nb.	10	10	5	10	10	10	...	d≡^{0}	...	∞	d^0≡^{0}	d≡^{0}	o, op●, od≡^{0} to bc *a* : bc to od^0≡^{0} *p* :
19	Nb.	Cu.	F. Cu. : Ci.	10	5	5	2	1	7	●≡^{0}	...	...	...	...	...	od≡, o●≡^{0} at first, bc *a* : b & bc *p* : [c & bc *n* : ⋓ at 20hrs.
20	St. Cu.	St. Cu.	St. Cu.	10	9	10	10	10	10	...	...	...	...	...	...	op●, o *a* : o *p* : o, op● *n* :
21	Nb.	St. Cu.	St.	10	10	7	8	10	10	●≡^{0}	...	...	...	...	...	o●≡^{0} to c *a* : c & o *p* : o & op● *n* :
22	Nb.	St. Cu. : Ci. Cu.	Nb.	10	10	8	10	10	10	●^{2}	...	...	...	●	...	op●^{2} to c *a* : c, op● *p* : op●, o *n* :
23	St.	Nb.	Nb.	10	10	10	10	10	8	≡^{0}	d≡^{0}	●≡^{0}	●≡^{0}	●≡^{0}	...	o≡^{0} to o●≡^{0} *a* : o●≡^{0} *p* : op≡^{0} to c *n* :
24	St. Cu.	St. Cu.	St. Cu.	5	10	5	9	7	9	...	⁀	...	...	...	...	bc, op ●⁀ 9 hr., bc p● to c *a* : o, op● *p* : [c, op● *n* :
25	St.	Cu. : St. Cu.	Nb.	10	9	5	8	10	8	...	jp	...	p^0	●q	...	op● to bc *a* : bc, cp●q *p* : op●, c *n* : [< 18h.–19h.
26	Nb.	St. Cu. : Ci. Cu.	St. Cu.	10	10	5	9	6	9	●≡^{0}	...	...	...	...	...	o△● ≡^{0} early ; o, bc *a* bc, op● *p* : bc, [op● *n* :
27	Nb.	St. Cu.	St. Cu.	10	10	9	7	9	10	●	●	...	...	...	...	o, o● to o *a* : o, bc to c *p* : c, o● < *n* : [T at 09.45.
28	St. Cu.	Cu. : St. Cu.	St.	10	10	8	10	10	10	...	...	...	...	...	●^{0}≡^{0}	o, o● to c *a* : c, op● *p* : o●^{0}≡^{0} *n* :
29	St. Cu.	Nb.	Nb.	10	10	10	10	10	10	...	...	●	●≡^{0}	●≡^{0}	●≡^{0}	o●^{0}, o *a* : o● ≡^{0} *p and n* :
30	Nb.	St. Cu.	St. Cu.	10	10	10	9	7	7	●≡^{0}	●≡^{0}	...	...	...	...	o●≡^{0}, o *a* : o to c *p* : c & bc *n* :
31	St. Cu.	St. Cu.	St. Cu.	10	9	9	9	6	4	≡^{0}	p^0	...	...	...	...	[c & bc *n* : o≡^{0}, op^0● (9h.) o *a* : o, op^0● to bc *p* :
Mean Cloud Am'nt				8·6	8·6	8·0	8·6	7·5	7·2							

Day.	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks.
	Cloud Forms.			Cloud Amount (All Forms).						Weather.						

206. Eskdalemuir. **November, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St.	St. Cu.	Nb. : St. Cu.	10	10	10	9	9	5	≡⁰	≡	…	…	p	…	≡⋮ to ≡, o *a* : o & op● *p* : op●, b & bc *n* :
2	St. Cu.	St. Cu. : Cu.	St. Cu.	3	6	8	9	9	10	…	…	…	…	…	●	b, bc to c *a* : c to o *p* : o, o● *n* :
3	Nb.	St. Cu.	Nb.	10	9	9	9	10	10	●≡⁰	…	…	p●	p●	…	o●≡⁰, ●²△, op²● *a* : op● *p* : op● ≺q *n*:
4	St. Cu.	St. Cu.	Nb. : St. Cu.	10	10	8	9	9	6	…	jp	…	p✱	p✱	…	o,p●q●△, ✱ *a* : op✱ & o *p* : op✱ to bc *n*:
5	St. : St. Cu.	St. Cu. : Ci.	St. Cu.	7	8	8	10	1	10	p	…	…	p●⁰	…	…	c, op● to c *a* : c & op●, b *p* : b to o *n* :
6	St. Cu.	Cu. : F. Cu. : St. Cu.	…	3	2	5	5	0	0	⌊⌋	…	…	…	⌊⌋	⌊⌋	bc␣ to b, bc *a* : bc to bc␣ *p and n* :
7	…	Ci. St.	…	0	0	1	1	0	8	⌊⌋	…	…	…	⌊⌋	⌊⌋	b␣ to by *a* : b, bc to b␣ *p* : b␣, c␣ *n* :
8	Nb.	St. Cu.	St. Cu.	10	10	8	7	7	1	●≡⁰	●	…	…	…	…	o●⁰≡⁰✱ to c *a* : op● & c *p* : c to b *n* :
9	St. Cu.	Nb.	St. Cu.	9	8	10	8	1	1	⌊⌋	…	●	…	…	…	o␣, bc to o✱ & ● *a* : o to b *p* : b, op✱ *n* :
10	A. Cu. : Cu. : F. Cu.	A. Cu. : Ci. St.	A. Cu.	1	2	9	5	7	0	⌊⌋	⌊⌋	…	…	…	…	b␣ to o *a* : o, bc *p* : c to b *n* : ⊕ at 14h.
11	St.	St.	Nb.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	d≡	d≡	o≡⁰ *a* : o≡⁰d to od≡ *p and n* :
12	Nb.	St. Cu. : Ci. St.	St. Cu. : Ci. St.	10	10	10	10	10	10	●≡⁰	●≡⁰	…	…	…	…	o● & d≡⁰ to o *a* : o *p and n* :
13	Nb.	Nb.	Nb.	10	10	10	10	10	10	●	●≡⁰	●≡⁰	●≡⁰	●≡⁰	●≡⁰	o●≡⁰ *a* : o●⁰≡⁰ to o●²≡⁰ *p and n* :
14	Nb.	Nb. : St. Cu.	St. Cu. : Ci. St.	2	7	10	5	4	3	…	p✱	…	…	…	…	o to b at first, cp ✱ *a* : bc *p and n* :
15	St. Cu.	Nb.	St. Cu.	10	10	10	10	3	10	…	✱≡⁰	≡⋮	…	…	✱⁰	⊠ op✱, o, o✱≡ *a* : o, bc, b *p* : b to o✱ *n* : [o✱△≡ *n* : ← at 21h.
16	St. Cu.	St. Cu. : A. Cu.	St. Cu.	2	3	7	10	3	10	…	…	…	…	…	✱≡	⊠ 3″ op✱ early, b, c *a* : c & o *p* : bc, [op✱≡⁰ *n* :
17	Nb.	St. Cu. : A. Cu.	Nb.	10	9	9	9	10	10	✱≡⁰	…	…	j✱	✱⁰≡⁰	p✱⁰≡⁰	⊠ 1½″ o✱≡⁰ to o *a* : o, o✱⁰≡⁰ *p* : o✱≡⁰,
18	Nb.	St. Cu. : A. Cu.	St. Cu.	10	9	9	8	8	8	✱⁰	…	…	…	…	…	⊠ 1½″ o●, ✱ to c *a* : c & o *p and n* :
19	St. Cu.	Cu. : A. Cu.	St. Cu. : A. Cu.	7	1	3	2	4	1	…	…	…	…	…	…	⊠ c & bc *a* : b, bc *p and n* :
20	St. Cu. : A. St.	St. Cu.	Cu. : F. Ci. : A. St.	7	8	9	9	6	3	…	…	…	…	…	…	⊠ c to op✱ *a* : c, op to bc *p and n* :
21	St. Cu.	A. Cu. : Ci. St.	A. Cu. : Ci. St.	9	8	8	8	6	8	…	…	…	…	…	…	⊠ op⁰● early, o to c *a* : c to bc *p* : c & bc *n* :
22	St. Cu. : Ci. St.	St. Cu.	St. Cu.	7	10	9	9	10	10	…	p✱	…	…	…	…	⊠ op✱, ✱ to o *a* : o *p* : o, op⁰● *n* :
23	A. Cu.	A. Cu. : Cu. : Ci.	St. Cu. : A. Cu.	9	9	3	3	3	0	…	…	…	…	…	…	⊠ o to b *a* : b & bc *p and n* :
24	…	Ci. Cu.	…	0	6	2	1	0	0	⌊⌋	⌊⌋	…	…	…	⌊⌋	⊠ ␣, b & bc *a* : b to b␣ *p and n* :
25	St.	St.	St. Cu.	10	10	10	10	6	9	⌊≡⁰	⌊≡⁰	e	d	…	…	⊠ b␣≡⁰, op✱⁰, e *a* : od⁰ to bc *p* : bc to o *n* :
26	St. : St. Cu.	St.	St.	10	10	10	10	10	10	…	…	…	e	e	e	o, od, o● to o *a* : oe *p and n* :
27	St. Cu.	St. Cu. : A. Cu.	…	10	10	9	10	0	1	≡⁰	≡⁰	…	…	≡⁰	≡⁰	o at first, op⁰✱ *a* : o to b≡⁰ *p* : b≡⁰ *n* :
28	St. : St. Cu.	Nb.	St.	10	10	10	10	10	9	≡⁰	≡⁰	✱≡⁰	✱⁰≡⁰	…	…	o, o≡⁰, o✱⁰≡⁰ *a* : op✱, o *p and n* :
29	St. Cu.	St. Cu. : A. Cu.	…	10	10	7	1	0	0	…	p✱⁰≡⁰	…	…	…	…	o, op✱, c *a* : c to b *p* : b *n* :
30	…	St. Cu.	St.	0	7	7	10	10	10	⌊⌋	⌊⌋	…	≡⁰	≡⁰	≡⁰	b␣, op⁰✱, c *a* : c to o≡⁰ *p* : o≡⁰, o● ≡⁰ *n*
Mean Cloud Am'nt				7·2	7·7	7·9	7·6	5·9	6·1							

207. Eskdalemuir. **December, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
																[o●≡⁰ to o≡⋮ *n* :
1	St.	Nb.	Nb.	10	10	10	10	10	10	≡	≡	●	d≡⁰	●≡⁰	≡⋮	o≡ to o≡⋮ to o●≡⋮ *a* : o●, od⁰≡⁰ *p* :
2	St. Cu.	St. Cu.	St. Cu.	10	10	8	10	10	8	…	≡⁰	…	≡⁰	…	…	o● & o≡⁰ to c *a* : c & o *p and n* :
3	St. Cu.	…	St.	10	2	0	1	10	10	⌊⌋	⌊⌋	…	…	≡	…	o␣ to b *a* : b to o≡ *p* : o≡ to o *n* :
4	Nb.	Nb.	Nb.	10	10	10	10	10	10	✱⁰⌊⌋	✱≡⁰	✱≡⁰	✱≡⁰	✱≡⁰	≡⁰	o␣, o✱⁰≡⁰ *a* : o✱, o✱⁰≡⁰ *p* : o✱⁰≡⁰ to [o≡⁰ *n* :
5	Nb.	St. : St. Cu.	Nb.	10	10	9	10	10	10	✱⁰	✱⁰	…	…	●⁰≡⁰	✱≡⁰	o●⁰✱⁰ & o *a* : o, o●⁰ *p* : o, o● to o≡⁰ *n* :
6	…	…	…	0	2	0	4	0	10	⌊⌋	⌊⌋	…	…	…	≡⁰	b␣ to b *a* : bc, b to b␣ *p* : b␣ to o≡⁰ *n* :
7	Nb.	Nb.	Nb.	10	10	10	10	10	10	✱⌊⌋≡⁰	●	d⁰	●≡⁰	●≡⁰	d≡⁰	o✱⁰␣≡⁰ to od⁰ *a* : od⁰, o●≡⁰ *p* : od≡⁰ *n* :
8	F. St. : St. Cu.	F. Cu.	St. Cu.	10	10	1	3	1	1	…	p	…	…	⌊⌋	⌊⌋	o● early, op to b *a* : b to b␣ *p* : b␣ *n* :
9	St. Cu.	St. Cu. : A. Cu.	St.	2	1	7	8	9	10	⌊⌋	⌊⌋	⌊⌋	⌊⌋	⌊⌋	●	b␣ to c␣ *a* : c & o␣ *p* : o␣ to o●≡⁰ *n* :
10	St.	Nb.	Nb.	10	10	10	10	10	10	≡⋮	d⁰≡⁰	d⁰≡⁰	od⁰≡⁰	od⁰≡⁰	≡⋮	o≡⋮ to od⁰≡⁰ *a* : od⁰≡⁰ to o≡⋮ *p* : o≡⋮ *n* :
11	St.	St.	Nb.	10	10	10	10	10	10	≡⁰	≡⋮	d⁰≡⁰	d⁰≡⁰	d⁰≡⁰	d⁰≡⁰	o≡⁰, o≡⋮ at 9h., od⁰≡⁰ *a* : od⁰≡⁰ *p and n* :
12	Nb.	Nb.	Nb.	10	10	10	10	10	10	●≡⁰	●≡⁰	d⁰≡⁰	●⁰≡⁰	●⁰≡⁰	●≡⁰	o●≡⁰ to od⁰≡⁰ *a* : o● & ●⁰≡⁰ *p and n* :
13	St. Cu.	Ci. : A. Cu.	A. Cu.	9	3	1	4	2	8	…	…	…	…	…	…	o to b *a* : bc and b *p* : b to c *n* :
14	St. Cu.	Nb.	Nb. : St. Cu.	9	10	10	10	10	1	…	●	●⁰≡⁰	d⁰≡⁰	●⁰≡⁰	…	c, o early ; o●, o●⁰≡⁰ *a* : od⁰≡⁰, o●⁰≡⁰ *p* [o●⁰≡⁰ to b *n* :
15	St. Cu.	A. Cu.	A. Cu.	4	7	7	6	8	9	…	…	…	…	…	p⁰	b to c *a* : c & bc *p* : c to op⁰● *n* :
16	Nb.	St. Cu.	Nb. : St.	10	10	10	10	10	10	d⁰≡⁰	…	…	d⁰	d⁰	d⁰	od⁰≡⁰ & o *a* : o, od *p* : od⁰ & o *n* :
17	Nb.	St. Cu. : Nb.	Nb. : St. Cu.	10	10	10	10	10	2	d≡⁰	…	jp	●⁰≡⁰	d²≡⁰	…	od≡⁰, o *a* : o●≡⁰, od≡⁰ *p* : od² to bc *n* :
18	St. Cu.	St. Cu.	F. Cu.	8	9	8	9	1	1	…	…	…	…	…	…	od, c, op● *a* : o to b *p* : b *n* :
19	St. Cu.	Cu. : F. Cu.	…	6	8	3	1	0	1	⌊⌋	⌊⌋	…	…	…	⌊⌋	b␣, c␣ to b *a* : b *p* : b␣ *n* :
20	…	St. Cu.	St. Cu. : A. Cu.	0	0	5	8	8	8	⌊⌋	⌊⌋	…	…	…	…	b␣, op✱, bc *a* : bc to c *p* : c *n* : [o✱⁰≡⁰ *n* :
21	Nb.	Nb.	Nb.	10	10	10	10	10	10	✱⁰ ≡⁰	✱⁰	p✱⁰	p✱⁰≡⁰	✱≡⁰	✱⁰≡⁰	o, o✱⁰≡⁰, o✱⁰, op⁰✱ *a* : op⁰✱≡⁰ *p* :
22	St. Cu.	St. Cu. : Ci. St.	St. Cu. : Ci. St.	9	9	8	10	9	1	…	…	…	…	…	…	o✱, o● to c *a* : c to o *p* : c to b *n* :
23	Cu.	F. Cu.	…	1	1	1	1	0	6	…	…	…	…	…	…	b *a and p* : bc *n* :
24	St. Cu.	St. Cu. : Cu.	…	10	10	4	10	0	0	…	…	…	✱≡⁰	…	…	op⁰✱ early, op to bc *a* : bc, o✱≡⁰ *p* : b *n* :
25	A. St.	Nb. : St.	Nb.	10	10	10	10	10	10	⊕	⌊⌋	p✱⁰	✱≡⁰	✱≡⁰	✱⁰≡⁰	⊠ o⊕ at 7h., o␣, op⁰✱ *a* : o✱≡⁰, [o✱⁰≡⁰ *p and n* :
26	St. Cu	St.	St.	10	10	10	10	10	10	…	…	…	…	…	✱≡⁰	⊠ 7″. overcast all day, snow at night [*a*, *p*, *n* :
27	St.	St.	Nb.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⋮	●≡⁰	●⁰≡⁰	⊠ 7″. o≡⁰ *a* : o≡⁰ to o≡⋮ o●⁰≡⁰ *p* : [o, o●⁰≡⁰ *n* :
28	St. Cu.	St. Cu.	St. Cu.	10	10	9	8	2	0	…	…	jp✱⁰	…	…	…	⊠ 4″. o, op⁰✱ *a* : o to b *p* : b *n* :
29	St. Cu.	St.	St.	10	10	10	10	10	10	⌊⌋	⌊⌋	…	…	≡	✱≡	b to o␣, o *a* : o to o≡ *p* : o≡ to o✱≡ *n* :
30	Nb.	Nb.	Nb.	10	10	10	10	10	10	d⁰≡⁰	✱≡⁰	●⁰≡⁰	d≡⁰	●≡⁰	≡⁰	od⁰≡⁰, o●⁰≡⁰ *a and p* : o●⁰≡⁰ to o≡ *n* : [o●⁰≡⁰ *n* :
31	St.	Nb.	Nb.	10	10	10	10	10	10	≡⁰	d⁰≡⁰	●≡⁰	d≡⁰	d≡⁰	●⁰≡⁰	od≡ to o●≡⁰ *a* : o●≡⁰ to od≡⁰ *p* :
Mean Cloud Am'nt				8·3	8·1	7·5	8·2	7·4	7·3							

POTENTIAL GRADIENT (reduced to level surface): VOLTS PER METRE.

Mean Values for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

208. Eskdalemuir. **1923.**

Day.	January. Factor 6·68.				February. Factor 6·81.				March. Factor 6·87.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	375	632	814	z—	40	68	180	0	—	—	—	—
2	217	−237	—	—	72	128	176	z—	—	—	—	—
3	−316	292	−296	245	104	84	124	148	92	−1,299	−238	337
4	174	296	818	877	40	232	196	640	264	311	143	370
5	379	−205	−20	355	260	216	24	−8	520	−1,087	135	135
6	225	198	324	517	160	−1,012	−1,160	z—	403	260	212	190
7	−731	478	356	154	164	z—	404	368	−586	209	−37	73
8	130	119	225	363	68	−60	z—	752	201	−933	168	146
9	z—	186	126	134	z—	972	356	580	176	157	146	209
10	z—	z+	182	182	−1,360	−2,448	−1,280	88	110	234	95	183
11	103	182	190	434	352	−832	−660	−68	99	88	113	143
12	474	387	352	308	20	−480	z+	608	187	293	−66	209
13	359	415	280	494	292	316	240	88	113	348	300	300
14	174	87	209	118	172	48	216	208	677	366	242	505
15	107	174	205	225	184	456	260	104	209	106	172	190
16	197	533	194	399	−348	20	172	576	300	234	238	362
17	197	134	221	−1,066	280	232	208	188	168	194	245	490
18	−158	186	419	205	56	z+	z+	656	253	201	234	512
19	138	276	−849	122	368	—	—	—	384	267	322	220
20	87	146	—	—	—	—	180	280	161	—	340	461
21	—	—	198	170	620	—	272	134	311	505	307	311
22	87	55	32	494	163	717	380	239	633	721	285	575
23	186	340	138	71	243	322	311	297	227	121	410	113
24	43	—	103	118	195	264	188	243	392	538	282	611
25	99	158	103	174	76	−724	−1,539	376	242	212	176	498
26	67	111	158	229	181	−369	—	243	443	198	139	355
27	111	32	67	134	−453	116	−507	36	92	194	300	−92
28	40	67	—	—	673	210	−134	—	−113	220	26	117
29	—	—	28	340					458	157	165	501
30	111	99	170	71					212	436	157	285
31	150	276	z—	146					439	392	245	124
(*a*)	176	234	246	272	208	275	229	311	288	278	215	304
(*b*)	101	207	157	234	15	−57	−93	197	247	130	176	285
Mean	(*a*) 232		(*b*) 175		(*a*) 256		(*b*) 15		(*a*) 271		(*b*) 209	

Eskdalemuir. **1923.**

Day.	April. Factor 6·83.				May. Factor 6·86.				June. Factor 6·52.			
	3 h.	9 h.	15 h.	21 h.	2 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	249	187	88	333	—	—	—	—	53	213	92	203
2	242	−805	260	322	228	110	231	180	155	116	203	378
3	538	410	183	172	202	396	220	591	348	155	179	−266
4	238	168	216	384	506	352	202	378	82	106	121	82
5	483	245	414	633	338	132	253	352	169	194	150	179
6	278	146	234	318	−187	81	95	187	−281	194	116	213
7	161	165	285	245	206	202	143	213	242	232	208	232
8	99	238	340	231	132	26	206	367	48	−407	−121	247
9	132	146	179	329	172	−92	—	—	44	145	213	145
10	267	73	176	128	—	—	—	—	92	48	z—	102
11	−2,050	340	183	304	—	—	—	—	121	247	165	286
12	425	51	−81	−271	—	—	—	—	140	−513	218	82
13	−48	88	11	40	154	239	z+	37	179	73	—	—
14	256	212	−33	135	—	—	—	—	—	—	202	143
15	190	560	z—	307	143	z+	275	180	209	−52	183	−248
16	329	157	187	564	—	—	—	—	202	98	98	189
17	377	300	242	384	—	—	—	—	248	163	222	117
18	684	373	242	256	—	—	—	—	365	202	202	326
19	150	132	66	216	—	—	—	—	215	156	124	280
20	216	168	128	157	177	81	−40	132	209	163	222	437
21	77	70	z+	51	−35	127	172	278	404	65	150	228
22	44	66	84	99	142	167	55	−5	163	163	176	143
23	92	150	110	223	146	10	z—	473	274	222	261	228
24	231	190	110	282	382	186	111	z—	183	215	130	189
25	z±	73	z±	−322	136	236	z—	216	111	143	156	143
26	−329	92	z±	183	221	−40	136	z—	163	163	189	111
27	242	110	256	238	96	216	75	111	85	209	143	339
28	201	—	−183	143	116	−75	111	156	352	163	176	391
29	70	110	106	−329	146	166	166	151	241	261	189	378
30	—	—	—	—	116	86	191	141	98	209	143	202
31					70	80	136	15				
(*a*)	251	186	186	257	191	161	163	231	186	166	172	222
(*b*)	154	143	166	225	150	143	148	216	172	119	160	194
Mean	(*a*) 220		(*b*) 172		(*a*) 187		(*b*) 164		(*a*) 187		(*b*) 161	

NOTE.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: z + Indeterminate, positive value; z — Indeterminate, negative value; z ± Indeterminate in magnitude and sign.

(*a*) Mean of all positive readings. (*b*) Mean from all complete days using both positive and negative readings.

Mean Values for periods of sixty minutes, centred at the exact hours, Greenwich Mean Time.

208. Eskdalemuir. **1923.**

Day.	July. Factor 6·51.				August. Factor 6·37.				September. Factor 6·48.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	306	150	—	—	—	—	130	190	516	*	789	182
2	—	—	163	189	148	18	89	−267	182	182	206	328
3	183	—	198	340	−23	−59	107	154	212	249	188	127
4	358	192	216	525	136	166	178	563	−212	127	−30	97
5	198	371	396	155	136	297	213	190	91	85	79	164
6	—	—	—	—	237	178	24	180	152	182	225	231
7	—	—	—	—	120	12	150	312	121	182	182	352
8	488	501	222	383	252	†	270	‡	200	395	188	297
9	192	235	111	167	‡	300	168	522	273	158	30	249
10	260	−247	260	−80	184	119	136	374	91	225	225	304
11	290	130	43	105	273	178	148	374	304	61	127	−486
12	606	266	167	284	166	178	172	510	30	61	152	322
13	185	136	173	266	136	225	208	291	134	121	121	67
14	235	19	80	297	273	166	178	374	0	279	243	388
15	43	420	216	173	178	225	285	237	419	188	61	297
16	253	105	142	216	160	166	190	−741	109	182	219	194
17	297	z−	185	99	−593	178	113	190	182	425	−1,366	−486
18	105	161	124	290	279	119	593	−59	140	267	194	364
19	396	−649	222	62	190	95	148	297	182	194	−109	194
20	80	204	111	—	249	178	160	−534	140	z+	243	334
21	−185	130	111	142	−801	12	107	202	194	85	273	200
22	111	111	111	130	320	89	285	184	121	−36	z+	−103
23	z−	136	87	115	53	172	−1,198	−30	316	200	200	−30
24	110	185	75	87	*	178	12	249	376	279	176	370
25	127	—	—	190	249	119	89	119	z−	z+	−486	255
26	127	127	208	231	255	−30	0	−95	140	79	49	121
27	260	179	196	81	142	−12	−136	237	225	85	−182	36
28	110	531	87	317	107	z−	202	320	152	237	152	304
29	46	335	69	277	225	213	−356	−830	146	200	619	558
30	242	162	—	—	−652	160	59	148	388	352	255	358
31	—	—	—	—	59	†	‡	−178				
(*a*)	224	218	159	213	189	156	163	283	198	195	217	257
(*b*)	209	162	161	205	82	126	78	95	175	195	95	189
Mean	(*a*) 203		(*b*) 184		(*a*) 198		(*b*) 95		(*a*) 217		(*b*) 163	

Eskdalemuir. **1923.**

Day.	October. Factor 6·50.				November. Factor 6·63.				December. Factor 6·44.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.
1	260	127	175	212	210	191	62	358	78	491	−958	246
2	61	188	163	188	376	136	185	−62	z+	−300	305	371
3	67	61	−756	436	−802	−62	z+	265	246	359	246	282
4	200	182	182	212	z+	z+	†	†	389	563	940	300
5	151	182	*	224	†	†	93	321	551	−204	114	288
6	194	−121	127	61	167	247	309	487	300	413	749	671
7	109	91	115	109	222	222	364	753	539	300	−1,827	−12
8	121	151	†	−375	93	93	191	475	240	150	317	785
9	−212	67	−169	6	302	228	210	228	240	300	785	377
10	−254	−1,392	z−	30	185	247	302	333	126	341	252	359
11	103	188	127	266	185	222	204	210	210	407	300	359
12	169	z−	−424	738	253	−19	148	154	347	311	431	407
13	188	393	127	436	−1,067	154	80	−802	162	270	401	827
14	200	200	315	303	25	142	228	247	401	30	96	252
15	163	73	169	61	234	−43	1,246	136	138	180	437	144
16	z−	175	260	266	512	130	136	z+	60	102	108	120
17	115	163	91	230	62	740	19	740	72	78	−180	102
18	182	188	218	151	228	185	247	253	−24	150	120	300
19	224	67	200	430	130	346	302	518	180	204	294	413
20	127	121	200	296	309	432	173	210	126	†	389	305
21	−393	91	139	145	228	241	740	636	240	186	443	1,090
22	121	157	−182	54	432	259	494	740	−928	−24	162	150
23	103	−1,029	−847	157	506	185	463	1,111	126	132	204	443
24	212	−151	−545	z+	784	†	555	543	90	−108	779	695
25	−109	91	−182	218	302	438	123	352	359	†	‡	2,156
26	−272	242	−61	617	−1,018	512	309	512	60	180	222	479
27	−1,059	242	478	†	271	216	679	438	665	503	671	533
28	−61	79	121	−121	185	413	481	333	371	365	371	899
29	−73	194	−998	−181	62	123	481	413	317	347	60	−1,617
30	321	−139	242	218	191	346	444	−1,018	150	−329	180	60
31	139	182	97	303					240	270	240	36
(*a*)	160	156	187	245	258	269	331	431	251	276	356	464
(*b*)	73	77	−16	200	123	250	339	310	199	213	213	321
Mean	(*a*) 187		(*b*) 83		(*a*) 322		(*b*) 255		(*a*) 337		(*b*) 237	

NOTE.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: z + Indeterminate, positive value; z − Indeterminate, negative value; z ± Indeterminate in magnitude and sign.

* Defective record. † Light failed. ‡ Tank empty.

(*a*) Mean of all positive readings. (*b*) Mean from all complete days using both positive and negative readings.

POTENTIAL GRADIENT (reduced to level surface): DIURNAL INEQUALITIES (in volts per metre).

The departures from the mean of the day are adjusted for non-cyclic change.

209. Eskdalemuir. * 0*a* Days Only. **1923.**

Month and Season.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	24–0.	No. of Days used.	Mean Values.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.		v/m.
Jan. ...	− 37	− 37	− 67	− 75	**−106**	− 94	− 29	+ 10	+ 8	− 31	− 53	− 29	− 53	− 6	− 14	+ 19	+ 78	+125	**+151**	+ 74	+ 29	+ 43	+ 68	+ 20	+106	7	294
Feb. ...	− 52	− 74	− 78	− 17	+ 12	+ 30	+ 33	**+156**	+118	+ 44	+ 18	+ 61	− 3	+ 4	− 6	− 13	− 3	+ 39	+ 41	+ 0	− 64	− 82	− 74	**− 89**	− 3	3	306
Mar. ...	+ 54	+ 17	+ 31	+ 19	− 6	− 5	+ 20	+ 41	+ 1	− 35	− 57	− 53	− 57	− 64	− 69	**− 83**	− 64	+ 12	+ 61	+ 54	**+ 66**	**+ 66**	+ 36	+ 23	+ 2	16	291
April ...	**+ 85**	+ 35	+ 32	+ 23	+ 5	+ 16	+ 14	− 28	− 41	− 78	**−102**	− 99	− 77	− 56	− 53	− 53	− 24	+ 13	+ 37	+ 57	+ 67	+ 76	+ 81	+ 76	−107	7	279
May ...	+ 9	+ 18	+ 16	+ 56	**+104**	+ 86	+ 16	+ 9	− 24	− 34	− 55	**− 62**	− 42	− 29	− 27	− 23	− 44	− 34	− 39	+ 36	+ 62	+ 17	− 4	− 6	− 10	7	229
June ...	+ 48	+ 45	+ 14	+ 9	+ 1	− 17	− 21	− 14	− 16	− 9	− 32	− 32	− 40	**− 44**	− 24	− 29	− 39	− 33	− 18	+ 15	+ 49	+ 51	**+ 72**	+ 71	+ 3	15	194
July ...	+ 46	+ 28	+ 8	+ 53	+ 38	+ 86	**+125**	+ 7	− 53	− 80	− 43	+ 11	− 92	− 65	−101	**−114**	−107	− 71	− 22	+ 24	+ 85	+ 85	+ 92	+ 65	−156	5	299
Aug. ...	+106	+ 14	+ 8	+ 32	+ 4	+ 27	− 19	− 72	− 66	− 66	− 81	− 66	**−129**	−125	− 90	− 90	− 73	− 61	− 10	+ 68	+166	**+252**	+192	+ 70	+142	2	250
Sept. ...	− 9	− 51	**−113**	− 91	− 49	− 7	+ 31	+ 28	− 25	− 57	− 45	− 3	− 11	− 6	+ 18	+ 47	+ 1	+ 4	+ 46	**+132**	+125	+ 78	+ 1	− 43	− 80	6	271
Oct. ...	+ 0	− 6	− 16	− 35	**− 67**	− 32	− 6	− 23	− 41	− 17	− 8	− 32	− 38	− 8	− 18	− 34	+ 7	+ 22	**+119**	**+119**	+ 30	+ 46	+ 34	+ 6	+ 1	4	209
Nov. ...	− 21	− 71	−106	−103	−146	**−147**	−140	−127	−140	−118	−118	− 44	− 48	+ 33	+ 22	− 14	+ 89	+170	**+309**	+307	+242	+ 98	+ 25	+ 51	+ 73	5	392
Dec. ...	− 40	− 66	− 69	− 73	**− 74**	− 42	− 59	− 58	− 31	− 31	− 47	− 43	− 12	− 17	− 7	+ 12	+ 59	+109	**+189**	+118	+ 95	+ 99	+ 39	− 44	+103	9	319
Year ...	+ 16	− 12	− 28	− 17	− 24	− 8	− 3	− 6	− 26	− 43	**− 52**	− 33	− 50	− 32	− 31	− 31	− 10	+ 25	+ 72	**+ 84**	+ 79	+ 69	+ 47	+ 17	—	—	278
Winter	− 37	− 62	**− 80**	− 67	− 79	− 63	− 49	− 5	− 11	− 34	− 50	− 14	− 29	+ 3	− 1	+ 1	+ 56	+111	**+173**	+125	+ 75	+ 39	+ 15	− 15	—	—	328
Equinox	+ 33	− 1	− 17	− 21	− 29	− 7	+ 15	+ 5	− 27	− 47	**− 53**	− 47	− 46	− 33	− 31	− 31	− 20	+ 13	+ 66	**+ 91**	+ 72	+ 67	+ 38	+ 15	—	—	263
Summer	+ 52	+ 26	+ 11	+ 37	+ 37	+ 45	+ 25	− 17	− 40	− 47	− 53	− 37	**− 76**	− 66	− 61	− 64	− 66	− 50	− 22	+ 36	+ 91	**+101**	+ 88	+ 50	—	—	243

210. Eskdalemuir. * 1*a* and 2*a* Days Only. **1923.**

Month and Season.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Midt.	24–0.	No. of Days used.	Mean Values.
	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.	v/m.		v/m.
Jan. ...	+ 12	+ 10	+ 0	− 9	− 49	+113	+107	+ 49	− 1	**−122**	− 51	− 59	− 59	+ 0	− 40	− 89	+ 7	− 23	− 36	+102	**+111**	+ 44	− 16	+ 10	− 44	2	219
Feb. ...	−118	−195	−153	**−231**	−158	−104	− 3	+ 35	+ 77	+ 43	+ 92	+ 94	+ 32	+ 41	+ 23	+ 59	+141	**+226**	+202	+119	− 49	− 73	− 6	− 90	− 328	2	268
Mar. ...	− 15	− 24	− 11	− 40	+ 41	+ 23	+ 49	+ 36	+ 26	− 25	− 31	− 43	**− 85**	− 30	− 30	− 75	− 34	+ 46	+ 26	− 36	+ 39	**+112**	+ 48	+ 36	− 13	4	249
April ...	**− 76**	− 55	− 31	− 26	− 41	− 19	+ 3	− 14	− 22	− 16	− 14	− 10	− 4	− 11	− 6	+ 10	+ 25	+ 59	+ 81	**+ 97**	+ 71	+ 34	+ 2	− 30	− 51	3	143
May ...	+ 25	+ 30	+ 11	− 5	− 40	− 31	− 32	− 62	**− 83**	− 27	+ 1	+ 13	− 6	+ 12	+ 33	+ 22	+ 35	+ 24	+ 8	+ 22	− 9	+ 24	+ 3	**+ 43**	+ 16	2	88
June ...	− 36	+ 18	+ 16	+ 61	− 38	− 59	− 18	+ 4	− 25	− 12	− 56	**− 66**	**− 66**	− 35	− 25	+ 15	+ 21	+ 27	+ 67	+ 29	+ 15	− 2	+ 44	**+110**	+104	4	197
July ...	+ 6	− 20	− 10	+ 50	**− 30**	− 1	− 14	+ 7	+ 22	+ 0	− 12	+ 0	− 23	− 5	− 13	+ 4	− 21	− 27	− 11	+ 13	+ 26	− 18	+ 9	**+ 66**	− 10	10	173
Aug. ...	+ 30	− 13	− 19	− 3	− 50	+ 2	− 41	− 30	− 45	− 26	− 16	− 3	− 42	− 46	− 72	**− 86**	− 57	− 9	+ 76	+106	**+121**	+103	+ 96	+ 29	− 13	5	214
Sept. ...	+ 7	+ 1	+ 4	**− 62**	− 45	− 28	− 13	− 21	− 14	+ 6	+ 17	+ 2	− 1	+ 0	− 24	+ 17	+ 5	+ 9	**+ 57**	+ 41	+ 33	+ 50	+ 7	− 50	− 33	7	155
Oct. ...	− 4	− 22	− 29	− 29	− 10	− 12	− 15	+ 22	+ 9	+ 33	+ 14	+ 12	− 41	− 38	− 40	**− 65**	+ 8	+ 43	+ 25	**+ 87**	− 6	+ 23	+ 29	+ 13	+ 85	3	188
Nov. ...	−189	−112	− 45	−171	−129	−192	−253	−236	−136	− 29	− 17	− 11	+ 25	+ 81	+136	+200	**+261**	**+261**	+227	+229	+181	+201	− 28	**−256**	−657	2	113
Dec. ...	− 57	− 65	**− 77**	− 61	− 47	− 44	− 14	− 14	− 4	+ 60	− 16	+ 20	+ 36	+ 66	− 14	− 34	+ 30	**+132**	+ 93	+ 41	+ 41	+ 19	− 27	− 53	+ 2	3	140
Year ...	− 35	− 37	− 29	− 44	**− 50**	− 29	− 20	− 19	− 16	− 10	− 7	− 4	− 19	+ 3	− 6	− 2	+ 35	+ 64	+ 68	**+ 71**	+ 48	+ 43	+ 13	− 14	—	—	179
Winter	− 88	− 91	− 69	**−118**	− 96	− 57	− 41	− 41	− 16	− 12	+ 2	+ 11	+ 9	+ 47	+ 26	+ 34	+110	**+149**	+121	+123	+ 71	+ 48	− 19	− 97	—	—	185
Equinox	− 22	− 25	− 17	**− 39**	− 14	− 9	+ 6	+ 6	+ 0	− 1	− 3	− 10	− 33	− 20	− 25	− 28	+ 1	+ 39	+ 47	+ 47	+ 34	**+ 55**	+ 21	− 8	—	—	184
Summer	+ 6	+ 4	− 1	+ 26	**− 39**	− 22	− 26	− 20	− 33	− 16	− 21	− 14	− 34	− 19	− 19	− 11	− 5	+ 4	+ 35	+ 43	+ 38	+ 27	+ 38	**+ 62**	—	—	168

* Note.—For explanation of 0*a*, 1*a* and 2*a* Days, *see* page 98.

ELECTRICAL CHARACTER OF EACH DAY.

210A. Eskdalemuir. **1923.**

Day.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2*b*	2*b*	*	1*b*	*	0*a*	*	1*b*	1*b*	0*a*	1*b*	2*c*
2	2*b*	2*b*	*	1*b*	0*a*	0*a*	*	2*c*	0*a*	1*a*	1*a*	2*c*
3	1*b*	2*c*	2*c*	0*a*	0*a*	1*b*	*	2*b*	1*a*	2*b*	2*c*	0*a*
4	0*a*	1*b*	0*a*	1*b*	0*a*	1*b*	0*a*	0*a*	2*b*	0*a*	*	1*b*
5	2*c*	2*b*	2*c*	0*a*	0*a*	2*b*	1*a*	1*a*	1*a*	2*b*	*	2*b*
6	1*b*	2*c*	2*b*	0*a*	1*b*	1*b*	*	1*a*	1*b*	1*b*	0*a*	0*a*
7	2*b*	2*c*	2*c*	1*b*	0*a*	1*a*	*	2*b*	0*a*	1*b*	0*a*	2*c*
8	1*b*	2*c*	2*c*	0*a*	1*b*	2*c*	0*a*	1*b*	0*a*	2*b*	2*c*	1*b*
9	2*b*	1*b*	1*a*	1*a*	*	1*a*	0*a*	*	1*a*	2*b*	2*b*	1*b*
10	2*c*	2*c*	0*a*	2*c*	*	2*c*	1*b*	0*a*	0*a*	2*c*	1*b*	1*b*
11	0*a*	2*c*	0*a*	2*b*	*	1*a*	1*a*	1*a*	1*b*	1*b*	1*b*	0*a*
12	0*a*	2*b*	2*b*	2*c*	*	2*b*	0*a*	1*a*	1*b*	2*c*	1*a*	0*a*
13	1*a*	1*a*	1*a*	2*b*	2*c*	1*a*	0*a*	1*a*	1*a*	1*b*	2*c*	1*b*
14	1*b*	1*b*	0*a*	2*b*	2*c*	*	1*a*	0*a*	1*b*	0*a*	1*c*	1*b*
15	0*a*	1*a*	0*a*	1*b*	1*b*	1*b*	1*a*	1*b*	1*b*	1*b*	1*c*	1*a*
16	0*a*	2*b*	0*a*	0*a*	*	1*a*	1*a*	2*b*	1*b*	2*b*	1*b*	0*a*
17	1*b*	0*a*	0*a*	0*a*	*	0*a*	2*c*	2*b*	2*c*	0*a*	1*c*	1*a*
18	1*b*	1*c*	0*a*	0*a*	*	0*a*	1*a*	2*c*	1*b*	1*a*	1*b*	1*a*
19	2*b*	*	0*a*	0*a*	*	0*a*	2*b*	1*a*	2*b*	2*b*	0*a*	0*a*
20	1*a*	*	0*a*	1*a*	2*b*	1*a*	1*a*	2*b*	1*b*	1*b*	1*c*	1*b*
21	0*a*	1*b*	0*a*	1*c*	1*b*	0*a*	1*b*	2*b*	1*a*	2*c*	1*b*	1*b*
22	1*b*	0*a*	0*a*	1*a*	1*b*	0*a*	1*a*	2*c*	2*c*	2*c*	1*b*	2*b*
23	0*a*	0*a*	0*a*	1*b*	2*c*	0*a*	1*b*	2*c*	1*b*	2*c*	0*a*	0*a*
24	2*b*	1*b*	0*a*	1*b*	2*b*	0*a*	1*a*	1*b*	1*b*	1*c*	0*a*	1*b*
25	1*b*	2*c*	1*a*	2*c*	2*c*	0*a*	1*a*	1*b*	2*c*	2*c*	1*b*	1*c*
26	0*a*	2*c*	0*a*	2*c*	2*c*	0*a*	1*a*	2*c*	1*a*	2*c*	2*c*	0*a*
27	1*a*	2*c*	1*b*	1*b*	1*b*	0*a*	1*a*	2*c*	2*c*	2*c*	0*a*	1*b*
28	*	2*b*	2*b*	1*b*	1*a*	0*a*	1*b*	2*c*	1*a*	2*b*	1*b*	0*a*
29	*	—	0*a*	2*b*	0*a*	0*a*	1*a*	2*c*	0*a*	2*b*	1*b*	2*b*
30	0*a*	—	0*a*	2*b*	0*a*	0*a*	2*b*	2*b*	0*a*	2*b*	1*c*	2*b*
31	2*b*	—	1*a*	—	1*a*	—	*	2*b*	—	1*a*	—	2*b*
Mean Character Figure	1·00	1·45	0·66	1·04	1·00	0·62	0·92	1·43	1·00	1·42	0·96	0·97
No. of days used..	29	26	29	30	22	29	25	30	30	31	28	31

* Defective Record.

Explanatory Note.—The electric character of the day is indicated by the figures 0, 1, or 2 according to the character of the trace of the electrograph as regards negative potential gradient. The explanation of these symbols is as follows :—

0, denotes a day during which from midnight to midnight no negative potential was recorded.

1, denotes one or more excursions of limited duration to the negative side of the scale.

2, denotes negative potential extending in the aggregate over 3 hours or more.

"*a*," denotes that within the 25 periods of 60 minutes for which an estimate of the mean potential gradient has to be made in the process of tabulation there was in no case a range of potential gradient in the open exceeding 1000 volts.

"*b*," denotes that a range of potential gradient in the open exceeding 1000 volts was reached in at least one but in fewer than six of the 25 hourly periods referred to above.

"*c*," denotes that a range of 1000 volts or more occurred in at least six of the 25 hourly periods.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

211. Eskdalemuir. (X.) — **January, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	995	992	992	992	994	996	997	999	1001	999	993	988	988	990	990	991	996	1001	1005	1006	1006	1005	1005	999	999	997
2	999	999	1001	1001	1005	1006	1005	1006	1005	999	993	990	991	995	997	997	998	992	996	1000	999	992	993	996	996	998
3	996	995	1004	996	996	1001	1006	1009	1006	1001	991	987	991	991	993	995	1000	1004	1003	1002	1005	1000	1001	999	1001	999
4	1000	998	997	996	998	1002	1000	1002	1000	996	986	985	995	1000	1000	998	994	1000	1000	998	995	990	995	990	997	996
5	997	1002	990	996	990	992	991	994	997	997	993	990	987	995	1000	998	999	1000	1000	995	1000	1000	1000	1000	995	996
6	995	995	993	996	997	1002	1004	1002	1000	996	995	998	1002	1002	998	1000	995	986	992	998	995	992	995	1000	996	997
7 Q	996	995	993	994	993	996	1000	1004	1000	998	991	991	995	996	1000	1000	1000	996	996	998	1000	996	998	1000	998	997
8 Q	998	997	999	997	998	999	999	1000	998	996	994	994	994	993	995	997	1000	1002	1004	1005	1005	1003	1002	1000	1000	999
9	999	998	998	999	999	1003	1004	1006	1007	1003	997	997	995	994	994	994	993	994	999	999	1002	999	1000	998	997	999
10	997	999	999	998	993	1006	1013	1009	1004	1001	998	992	989	991	994	997	997	990	978	972	979	987	993	995	995	995
11	995	994	996	999	1003	1006	1007	1006	1005	995	987	987	987	985	987	989	988	986	989	994	997	996	995	997	993	995
12	993	991	993	995	999	999	1000	999	999	999	1001	996	994	997	998	999	999	999	996	990	985	997	999	997	995	996
13 D	995	995	994	995	997	1002	1004	1004	1013	1009	1013	1007	1003	1003	1000	995	992	995	991	996	988	994	993	987	995	999
14	995	995	995	997	994	1004	1008	995	994	994	988	989	989	999	995	1001	1000	999	999	998	999	995	999	1002	994	997
15	994	996	997	997	999	999	1001	1003	1003	997	999	998	994	992	996	996	999	996	1004	1008	1008	1001	999	997	996	999
16	996	995	999	1003	1007	1009	1012	1008	1003	1000	992	989	995	999	999	1001	1003	1005	1005	1004	1001	999	1014	1003	1003	1002
17	1003	999	999	999	999	1003	1005	1005	1004	999	994	992	994	*	—	—	—	—	—	—	*	1004	1008	1013	1012	—
18 Q	1012	1006	1004	1003	1004	1004	1007	1009	1009	1008	1006	1003	1003	1006	1006	1004	1004	1006	1006	1008	1007	1002	1001	1001	1001	1005
19 Q	1001	1001	1002	1003	1006	1009	1009	1009	1008	1004	1000	997	999	999	1004	1003	1004	1004	1003	1004	1006	1005	1005	1004	1004	1004
20 D	1005	1005	1005	1006	1009	1009	1011	1014	1016	1017	1009	1009	1017	1014	1009	1005	1011	1014	992	985	995	1003	1005	1023	990	**1008**
21 D	990	989	990	1000	1010	929	1010	1005	1005	999	990	980	976	990	998	1001	997	985	990	1003	1001	997	996	1010	1003	996
22	1003	998	1000	990	994	1005	1008	995	986	988	976	982	980	981	987	991	995	998	997	996	998	1010	1000	996	1008	**994**
23	1008	997	998	998	1000	998	998	1000	1004	1004	995	986	954	976	1000	999	992	991	991	994	1000	1005	1014	1010	1000	996
24	1000	998	998	998	995	996	1011	1005	1005	1003	997	986	985	990	997	995	998	1000	1002	1007	1001	1012	1004	1002	998	999
25	998	1000	998	1000	1000	1000	1007	1002	1000	996	989	985	988	995	995	994	991	998	1000	1001	1002	1005	1006	1004	1000	998
26	1000	1000	1000	1000	1002	1005	1007	1007	1006	1004	997	995	993	991	992	996	997	1000	1000	1002	1004	1005	1004	1001	1000	1000
27 Q	1000	1000	1000	1001	1004	1005	1007	1005	1005	1000	992	991	991	993	996	995	995	998	1002	1001	998	998	1000	1000	1001	999
28	1001	1001	1002	1004	1005	1007	1009	1010	1009	1002	995	991	986	990	998	1000	1000	1000	1000	1000	994	997	1003	1005	1005	1000
29 D	1005	1007	1008	1006	1009	1014	1016	1021	1022	1004	996	995	995	996	1000	1005	1001	1001	984	1001	1005	999	1019	1001	1000	1004
30 D	1000	999	1000	1000	1000	1005	1012	1000	1000	999	990	982	971	975	987	981	991	986	990	1000	1006	1000	997	1002	1000	995
31	1001	998	1000	1001	1001	1003	1014	1011	1005	1000	989	983	982	985	992	996	996	1004	1004	1002	1001	1001	1008	1003	1003	999
Mean †	999	998	998	999	1000	1002	**1006**	1005	1004	1000	994	991	**990**	993	997	997	997	998	997	999	999	999	1001	1001	999	999

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

212. Eskdalemuir. (—Y.) — **January, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour. G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	685	687	688	691	692	691	689	688	687	687	688	691	695	698	698	694	693	694	696	695	694	691	690	689	692	691
2	691	692	695	697	698	693	692	690	687	685	685	691	697	701	703	701	695	689	683	689	684	681	682	684	685	691
3	685	688	687	680	690	689	687	686	687	690	692	693	707	704	703	703	697	696	695	692	683	689	687	687	687	**692**
4	687	687	690	691	691	688	689	689	686	686	685	693	700	702	703	702	700	697	696	695	688	684	650	667	681	689
5	681	677	675	676	671	683	691	688	686	687	688	695	693	698	698	697	695	693	694	693	691	686	684	683	681	688
6	680	678	682	690	685	690	690	689	686	687	692	695	704	702	700	698	698	696	694	694	678	668	677	681	679	689
7 Q	679	676	680	682	685	686	686	687	686	682	681	690	696	695	697	694	692	692	692	692	690	685	684	681	680	687
8 Q	680	684	686	685	689	687	686	686	685	685	686	686	690	696	697	694	692	692	691	690	689	686	686	685	685	688
9	685	685	687	689	691	693	693	692	690	687	687	690	694	698	698	699	700	697	692	690	690	681	674	679	682	690
10	682	686	686	686	696	688	686	683	685	688	691	691	694	698	698	696	696	696	701	702	687	682	683	684	683	690
11	683	680	683	680	679	684	689	690	690	692	695	696	698	700	701	695	696	693	690	687	686	683	681	681	682	689
12	681	683	683	685	686	685	685	687	691	691	694	697	703	703	701	693	691	693	691	689	687	686	685	684	683	690
13 D	683	685	686	686	690	691	689	707	705	692	696	697	698	701	701	695	698	694	682	686	669	638	643	675	701	687
14	701	694	681	681	699	694	695	685	683	687	691	692	695	695	690	690	690	689	688	685	685	684	681	674	679	688
15	679	683	685	687	685	686	685	685	683	680	683	687	696	698	696	692	691	688	690	690	689	685	681	674	676	687
16	676	680	683	686	691	691	690	688	683	681	682	687	696	697	693	690	689	690	690	687	683	681	663	669	677	685
17	677	681	685	688	689	689	685	684	682	679	680	683	691	701	696	692	694	694	692	689	686	685	680	674	685	687
18 Q	685	685	683	685	690	690	687	686	688	683	686	690	699	701	693	689	689	690	689	689	686	682	680	683	685	688
19 Q	685	687	688	690	691	689	688	685	684	684	686	691	697	700	698	695	693	690	687	686	684	682	681	683	685	689
20 D	685	685	688	690	691	691	691	689	688	688	689	693	705	706	695	705	698	701	695	672	679	679	667	618	646	686
21 D	646	673	713	689	685	690	699	691	683	680	680	683	690	702	702	697	695	689	679	675	679	679	670	666	659	685
22	659	683	683	692	691	685	688	688	707	696	695	694	701	702	697	691	689	685	685	669	671	659	663	670	679	686
23	679	692	685	685	683	685	688	694	690	691	686	692	685	698	698	696	689	661	679	682	683	674	679	675	675	685
24	675	677	681	681	679	694	680	682	685	688	690	689	694	694	693	689	681	689	678	675	685	681	671	675	676	684
25	675	682	679	678	679	682	680	677	681	680	688	688	694	697	695	688	690	686	685	684	684	681	682	682	682	684
26	682	682	683	682	692	679	682	681	682	683	686	689	694	702	698	691	688	687	686	682	684	684	682	682	680	686
27 Q	680	683	684	684	684	684	684	682	679	676	678	682	685	694	698	690	691	690	688	687	680	678	676	678	682	684
28	682	684	687	688	684	684	684	684	682	680	682	688	692	699	700	694	690	686	685	684	683	678	678	683	684	686
29 D	684	686	689	688	689	685	688	690	685	678	678	684	690	700	700	704	700	705	704	691	688	668	652	664	677	687
30 D	677	672	682	662	669	675	678	683	689	679	673	679	684	688	701	700	684	689	677	674	673	677	678	677	681	**680**
31	681	682	690	679	678	682	680	679	674	673	674	678	688	695	694	692	683	679	685	685	681	677	679	679	678	682
Mean †	680	683	686	685	687	687	687	687	687	685	686	690	695	**699**	698	695	692	691	689	686	684	679	**676**	676	680	687

* Light failed. † Mean of 30 days; 17th omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

213. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **January, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	941	941	940	939	938	938	938	938	938	936	936	939	939	938	940	942	944	942	939	938	938	938	938	938	939	939
2	939	938	937	937	935	934	934	934	935	935	933	932	933	933	935	938	938	940	942	938	939	942	942	941	939	937
3	939	938	932	933	931	930	930	930	930	930	931	931	931	932	935	938	938	936	936	937	938	937	936	935	936	934
4	936	936	936	935	935	934	933	932	933	933	931	929	930	932	935	938	937	936	938	938	941	943	949	947	942	936
5	942	939	938	931	931	931	933	934	934	935	934	933	935	934	935	935	937	936	935	935	935	936	936	936	938	935
6	939	939	939	936	936	936	935	935	934	932	932	932	931	933	937	939	939	940	940	940	943	943	942	938	938	937
7 Q	938	937	937	937	938	936	936	934	934	934	932	931	930	930	932	936	936	936	937	937	937	938	937	935	935	935
8 Q	935	934	932	932	932	933	934	934	932	931	932	931	930	929	933	936	936	936	935	935	934	934	932	932	932	933
9	933	933	932	932	931	930	930	929	929	929	929	928	926	926	930	933	933	934	935	936	934	937	936	935	933	932
10	934	932	931	930	929	924	924	926	926	926	929	930	930	931	934	935	935	937	942	947	953	951	946	942	938	934
11	938	936	934	930	930	928	929	930	930	930	931	930	931	934	936	938	940	939	939	938	938	937	936	934	933	934
12	934	932	931	931	931	931	931	931	931	931	933	931	930	931	933	933	935	935	935	939	943	940	938	936	935	934
13 D	936	934	934	932	932	930	931	928	924	924	920	923	925	930	933	934	934	935	939	940	945	947	943	936	926	933
14	926	923	926	928	924	917	919	924	928	928	932	933	932	933	936	936	935	935	935	935	934	934	933	933	932	930
15	932	932	931	930	929	929	928	928	929	930	931	930	927	928	930	932	933	934	932	932	930	931	933	936	935	931
16	936	935	933	930	928	928	928	929	930	929	931	930	929	931	934	933	932	931	931	930	932	933	931	932	929	931
17	930	930	930	930	929	929	930	930	930	930	930	929	928	928	931	933	933	932	930	930	930	931	931	930	926	930
18 Q	927	925	927	928	928	929	929	928	928	929	927	929	930	931	933	933	934	933	932	931	931	932	932	931	931	930
19 Q	931	931	931	931	929	928	928	927	927	927	929	929	930	931	935	935	933	933	932	931	930	929	929	928	928	930
20 D	929	929	929	928	928	927	926	925	924	920	920	918	916	923	928	928	928	928	935	946	941	935	932	928	923	928
21 D	924	922	910	913	922	922	915	920	925	929	930	930	931	933	936	936	940	943	947	943	939	937	937	933	929	930
22	930	929	928	930	923	918	922	924	926	926	926	926	929	932	935	938	939	939	939	942	940	937	934	934	929	931
23	930	924	927	931	932	932	930	927	927	926	927	927	933	932	934	937	942	949	947	944	941	939	935	931	932	934
24	933	935	935	935	936	931	927	931	931	931	932	934	936	938	940	942	944	941	942	941	939	936	936	936	936	936
25	937	935	937	937	937	937	935	937	937	936	936	937	934	937	940	942	941	941	941	945	945	943	941	940	940	939
26	941	941	940	940	937	936	937	938	940	940	938	937	937	936	939	942	942	942	944	944	943	942	942	942	942	940
27 Q	942	941	941	940	940	941	941	941	942	942	942	942	941	941	939	942	941	942	942	942	944	944	943	942	941	942
28	942	940	939	939	939	940	940	940	940	942	943	944	945	943	945	947	947	947	947	947	947	947	946	944	943	943
29 D	944	942	941	940	940	940	938	936	937	940	942	939	939	935	936	941	941	942	948	951	948	955	955	948	946	942
30 D	947	944	937	921	929	933	933	937	939	941	943	941	945	946	948	953	956	956	956	953	949	948	948	945	944	944
31	945	945	939	938	941	941	941	941	943	945	942	942	942	942	945	947	950	950	946	946	946	946	946	945	944	944
Mean †	936	935	933	932	932	931	931	932	932	932	932	932	933	933	936	938	939	939	940	940	940	940	939	937	936	935

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

214. Eskdalemuir. **January, 1923.**

Day.	Terrestrial Magnetic Force.												Character Figures.§		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	North Component.					West Component.				Vertical Component.						
	Maximum. 15000 γ +		Minimum. 15000 γ +		Range.	Maximum. 4000 γ +		Minimum. 4000 γ +		Range.	Maximum. 44000 γ +		Minimum. 44000 γ +		Range.	ΣR^2	p		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a.*
1	19 40	1016	986	11 50	30	13 5	699	683	0 20	**16**	15 52	946	935	9 40	11	13	0·27	0	84·5
2	7 40	1009	982	21 30	27	14 15	704	677	17 41	27	17 45	943	931	10 45	12	16	0·34	0	84·5
3	2 7	1010	986	10 50	24	12 6	712	673	2 33	39	15 21	939	929	5 30	10	22	0·46	0	84·4
4	22 15	1015	976	10 38	39	15 30	704	636	22 13	68	22 5	952	928	11 10	24	67	1·42	1	84·4
5	0 53 21 52	1005	984	11 36	21	13 20	702	665	3 25	37	0 1	942	930	3 16	12	20	0·41	0	84·3
6	20 26	1013	981	16 57	32	11 57	707	659	20 17	48	20 15	947	931	12 0	16	36	0·76	0	84·3
7	7 20	1005	989	1 39	16	13 53	698	673	1 0	25	21 35	939	929	11 36	10	10	0·21	0	84·3
8	19 5	1005	991	12 58	**14**	13 44	698	679	0 10	19	15 10	936	928	12 40	**8**	6	0·13	0	84·3
9	20 11	1010	986	16 10	24	16 16	706	670	22 10	36	21 11	937	925	12 40	12	20	0·42	0	84·2
10	6 23	1016	969	19 20	47	4 12	712	679	20 50	33	20 3	953	923	6 12	30	42	0·88	0	84·1
11	6 10	1009	982	13 20	27	14 5	706	676	3 23	30	15 45	941	928	5 30	13	18	0·38	0	84·1
12	5 55	1003	979	20 12	24	12 40	706	679	0 1	27	20 15	943	929	11 30	14	15	0·32	0	84·1
13	7 30 9 55	1019	979	22 51	40	7 20	717	615	21 35	102	21 10	949	920	9 56	29	128	2·71	1	84·1
14	5 50	1014	983	4 9	31	4 16	712	669	23 4	43	14 20	936	915	4 39	21	33	0·69	1	84·1
15	18 45	1011	987	12 35	24	12 42	703	670	23 49	33	23 20	936	927	12 10	9	17	0·37	0	83·9
16	21 48	1022	984	10 22	38	12 40	701	654	22 19	47	0 1	936	927	5 58	9	37	0·79	0	83·9
17	22 53	1020	989	11 30	31	13 15	704	668	23 15	36	15 52	933	925	24 0	**8**	23	0·49	0	83·9
18	0 28	1014	999	2 10	15	12 46	702	679	21 37	23	14 30	934	923	0 33	11	9	0·18	0	83·9
19	5 15	1010	995	11 10	15	12 46	701	680	21 50	21	14 25	935	927	9 0	**8**	7	0·15	0	83·9
20	23 2	1040	973	18 34	67	12 51	722	**595**	22 50	**127**	18 58	949	915	11 42	34	218	4·59	2	83·9
21	23 20	**1053**	965	11 50	**88**	1 52	720	647	0 1	73	17 55	948	**904**	2 20	**44**	150	3·16	1	83·8
22	21 2	1029	971	12 55	58	8 24 12 32	711	648	20 56	63	19 40	942	918	5 5	24	79	1·67	1	84·0
23	22 30	1035	**947**	11 59	**88**	12 40	702	639	17 2	63	17 13	951	923	0 55	28	125	2·63	1	83·9
24	21 5	1029	980	12 35	49	12 20	701	663	18 16	38	15 45	946	925	5 29	21	43	0·90	1	83·9
25	21 38	1015	981	10 35	34	12 12	699	672	0 1	27	19 40	946	933	12 20	13	21	0·43	0	83·9
26	4 44	1014	989	13 44	25	12 56	705	676	5 0	29	18 55	945	934	4 40	11	16	0·33	0	84·0
27	6 2	1007	989	12 50	18	13 40	699	674	9 16	25	20 22	945	937	13 0	**8**	10	0·21	0	84·0
28	7 40	1010	979	12 25	31	13 34	704	675	21 28	29	20 0	948	939	3 0	9	19	0·40	0	84·0
29	21 43	1029	976	17 48	53	12 59	**727**	636	21 48	91	21 30	**959**	932	13 18	27	118	2·49	1	84·1
30	5 26	1024	961	11 37	63	14 34	710	642	3 7	68	16 41	958	917	2 49	41	103	2·17	1	84·1
31	22 12	1021	977	10 45	44	13 28	698	668	10 41	30	16 30	949	935	2 48	14	30	0·64	0	84·1
Mean	—	1017	980	—	37	—	706	662	—	44	—	944	927	—	17	47	—	0·35	84·1
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

§ For explanation *see* page 105. † Mean of 30 days; 17th omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

215. Eskdalemuir. (X.) **February, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1003	1000	999	999	1003	1010	1007	1006	1005	1001	1000	996	996	994	997	997	981	995	997	1001	1002	999	1003	1012	997	1000
2	997	999	1001	1002	1001	1005	1005	1005	1003	1001	997	996	996	997	1001	1005	1006	1006	996	993	995	1001	1001	1002	1001	1001
3	1001	1001	1001	1001	1005	1005	1006	1005	1002	1001	989	975	971	978	986	988	985	980	981	1001	996	997	983	987	992	993
4	992	1001	988	997	1001	1015	1013	1011	1003	992	986	983	976	977	986	991	988	986	996	1001	1001	1006	1005	1001	997	996
5	997	997	998	997	1002	998	1001	1005	1005	997	996	995	991	991	992	1000	1001	1006	1006	1006	1002	1011	1006	1005	1005	1000
6	1006	1007	1010	1011	1016	1017	1014	1017	1010	1003	1003	1000	997	995	997	1001	1002	1003	1006	1006	996	1004	1003	1004	1007	1005
7	1007	1012	1007	1006	1007	1007	1008	1011	1007	1006	1001	999	998	1001	997	996	982	978	998	997	986	992	1001	1004	1001	1000
8	1001	1003	999	997	1001	1007	1005	998	999	1002	997	990	987	983	985	993	996	998	999	1002	1002	1013	1007	1006	1002	999
9Q	1002	1002	1002	1002	1002	1005	1006	1006	1003	998	1001	998	997	997	1001	1002	1004	1006	1007	1009	1008	1009	1007	1006	1006	1003
10	1006	1003	1009	1006	1012	1018	1013	1012	1007	999	992	982	958	969	983	989	997	997	992	992	997	1013	1021	1002	1002	999
11	1002	999	1002	1002	1002	1004	1007	1008	1007	997	993	998	997	992	986	997	999	1002	1004	1004	1006	1007	1007	1006	1006	1001
12Q	1007	1008	1002	1003	1003	1007	1011	1012	1011	1002	997	990	995	1000	1003	1003	1003	1007	1007	1009	1008	1009	1009	1008	1008	1005
13Q	1008	1008	1008	1009	1008	1008	1009	1012	1008	1003	998	994	995	996	999	1003	1005	1005	1008	1008	1009	1009	1011	1012	1012	1006
14	1012	1012	1009	1011	1012	1013	1017	1017	1014	1008	1000	996	998	1000	1003	1007	1012	1013	1014	1013	1007	1018	1023	1013	1007	1010
15	1007	1003	1007	1008	1008	1012	1013	1013	1013	1008	999	993	993	995	1001	1009	1012	1012	1009	1005	1004	1009	1012	1009	1008	1006
16	1008	1008	1012	1013	1014	1021	1021	1023	1018	1017	1005	999	998	1003	1000	998	1003	994	1003	1007	1007	1007	1008	1008	1011	1008
17D	1011	1008	1006	1007	1007	1010	1011	1005	1011	1008	988	985	993	998	999	1006	1017	1014	1010	1013	994	998	1013	999	1002	1004
18	1002	1009	1002	1008	1008	1017	1031	1036	1013	1007	993	983	979	983	990	998	1002	1006	1007	1007	1007	1007	1005	1014	1013	1005
19	1013	1004	1006	1007	1008	1009	1013	1017	1014	1009	999	993	989	988	999	999	1000	1012	1008	1005	1005	1007	1008	1007	1008	1005
20	1008	1008	1008	1008	1011	1013	1021	1014	1014	1013	1003	990	988	989	1002	1007	1008	1003	1008	1010	1012	1009	1010	1010	1008	1007
21Q	1008	1009	1012	1009	1011	1012	1022	1018	1014	1010	1002	991	988	995	999	1003	1008	1012	1013	1013	1013	1012	1011	1009	1005	1008
22	1005	1013	1010	1018	1016	1024	1031	1019	1013	1010	997	994	992	994	997	1003	1007	1008	1008	1009	1009	1011	1009	1008	1008	1009
23Q	1008	1008	1008	1008	1008	1009	1012	1012	1011	1003	993	987	985	993	999	1007	1010	1013	1013	1013	1013	1013	1013	1012	1012	1006
24	1012	1019	1010	1012	1013	1015	1016	1018	1018	1012	1003	998	995	998	1003	1008	1012	1013	1014	1015	1017	1018	1016	1018	1018	**1011**
25D	1018	1021	1027	1034	1023	1027	1018	1006	1027	1012	979	984	979	965	968	979	993	1037	999	978	965	994	1003	988	935	999
26D	934	1003	992	994	992	1002	1003	994	982	959	940	982	967	984	988	984	1002	1000	997	997	1002	1017	1011	997	997	990
27D	997	1002	996	996	982	997	1007	1007	978	968	963	968	975	984	999	984	978	979	986	1012	982	1002	988	997	982	**988**
28D	982	995	992	989	991	997	993	991	990	986	983	986	984	984	998	992	993	983	1008	997	1001	997	998	999	1003	992
Mean	1002	1006	1004	1005	1006	1010	**1012**	1011	1007	1001	993	990	**988**	990	995	998	1000	1002	1003	1004	1002	1007	1007	1005	1002	1002

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

216. Eskdalemuir. (—Y.) **February, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	678	679	680	684	679	682	680	683	679	678	679	682	690	701	702	702	689	695	693	660	682	679	678	656	662	683
2	662	681	684	682	680	682	679	679	678	673	677	684	692	695	695	692	689	685	673	663	679	678	678	679	679	681
3	679	682	684	684	684	684	683	682	678	678	679	684	700	705	710	711	711	707	696	693	668	653	653	647	662	684
4	662	656	636	654	666	666	673	679	684	683	682	691	697	701	701	695	688	688	690	688	679	669	668	668	666	678
5	666	666	666	673	674	674	680	680	678	673	682	685	690	701	706	710	707	698	694	689	680	675	678	678	678	684
6	678	677	679	682	685	685	689	689	684	679	682	687	689	688	688	685	682	683	684	684	672	660	677	674	674	682
7	674	682	679	680	683	684	686	681	679	678	684	688	688	695	694	694	693	689	657	677	664	668	674	673	668	681
8	668	674	678	684	685	682	684	695	689	680	685	690	693	693	693	690	689	686	684	683	684	678	679	679	678	**685**
9Q	678	679	678	679	681	682	682	679	682	679	684	690	693	695	693	689	684	685	685	684	684	682	680	679	682	684
10	682	678	680	684	679	678	679	684	682	677	689	688	693	700	703	696	690	690	684	675	677	670	658	677	669	683
11	669	674	680	684	684	679	679	682	678	677	678	683	693	695	694	686	686	688	683	682	679	679	678	679	680	682
12Q	680	677	676	677	679	680	681	679	678	674	672	678	684	686	686	684	680	684	684	684	682	682	680	682	682	680
13Q	682	679	684	684	684	682	680	678	677	674	678	682	685	689	690	688	684	682	680	682	679	679	682	679	679	682
14	679	679	682	683	681	680	682	679	678	673	673	679	690	694	695	694	689	688	688	688	671	647	668	653	667	679
15	667	679	679	683	683	683	680	678	677	673	673	679	688	689	690	693	686	683	683	679	676	679	679	678	678	681
16	678	679	680	684	684	682	680	678	674	673	678	685	690	700	703	694	699	691	685	668	674	674	676	678	679	683
17 D	679	679	684	680	680	680	681	679	678	682	678	684	689	695	695	693	694	690	688	662	655	667	658	666	678	680
18	678	678	682	685	685	685	688	695	669	668	666	673	678	685	689	689	684	682	679	678	674	674	669	674	679	680
19	679	678	679	679	679	679	679	678	676	668	668	676	689	693	700	692	678	684	684	678	674	669	669	677	678	679
20	678	684	679	680	684	678	675	676	676	673	678	684	690	693	694	695	689	675	678	677	678	677	673	674	676	681
21Q	676	688	685	684	679	679	679	678	678	677	678	682	689	694	694	689	683	680	683	683	683	679	678	677	663	682
22	663	658	662	656	659	666	663	673	679	678	679	689	692	693	694	689	683	679	678	677	678	678	678	678	678	676
23Q	678	678	678	678	678	678	678	677	673	668	668	678	687	694	694	693	684	684	684	684	684	684	682	681	679	681
24	679	678	679	679	679	679	682	678	673	669	669	674	684	690	694	690	688	684	684	684	684	684	678	673	680	681
25D	679	673	671	652	635	640	646	671	672	681	688	695	694	709	709	700	704	624	640	668	662	661	657	614	652	**668**
26D	652	667	656	652	646	662	664	668	665	669	677	689	693	691	693	678	677	681	677	673	662	662	661	663	655	670
27D	655	679	677	662	666	672	671	683	684	685	693	687	691	704	693	649	673	684	661	645	615	629	634	657	629	668
28D	629	667	665	668	673	667	668	677	678	682	688	687	694	699	695	688	688	683	635	668	678	673	669	667	649	675
Mean	672	676	676	676	676	677	678	680	678	676	679	684	690	695	**696**	691	688	684	679	677	673	671	671	**670**	671	680

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

217. Eskdalemuir. (Z.) **February, 1923.**

44,000 γ (·44 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	945	943	945	942	942	942	942	942	942	946	946	946	946	946	948	950	956	954	950	957	949	947	946	946	946	947
2	947	944	943	943	943	943	943	943	943	943	943	939	939	939	942	946	945	944	947	951	947	946	946	944	944	944
3	945	944	944	944	944	944	944	944	944	944	945	948	947	948	952	956	956	964	964	959	960	958	956	956	951	951
4	952	941	942	934	933	936	937	937	937	941	941	941	941	943	945	950	953	956	953	950	950	952	949	949	949	944
5	949	949	949	949	949	949	947	945	945	945	945	943	944	945	948	949	947	949	949	949	952	949	948	946	945	947
6	946	946	945	945	943	942	942	942	942	942	942	942	942	942	945	946	947	949	947	946	950	950	946	946	944	945
7	945	943	943	943	944	945	944	943	943	943	943	943	943	943	944	951	955	962	967	959	963	959	954	951	948	949
8	948	940	938	941	945	947	946	943	943	945	943	943	943	947	951	951	951	951	951	951	951	949	947	947	947	946
9Q	948	948	947	946	946	948	948	948	948	948	948	949	947	944	944	948	948	948	948	948	948	948	948	948	948	947
10	949	949	945	940	937	937	941	941	945	949	945	949	949	953	954	956	957	957	960	960	958	953	949	949	949	949
11	950	950	946	946	946	946	947	949	950	950	950	949	946	946	950	951	951	950	950	951	951	950	950	950	950	949
12Q	951	949	951	949	949	949	948	949	950	954	954	952	951	951	952	955	954	951	951	951	951	951	951	951	951	951
13Q	952	952	951	949	948	948	948	948	949	951	948	948	948	947	948	949	949	948	948	948	948	948	948	948	948	949
14	949	949	949	949	949	949	947	947	949	949	949	949	945	945	946	949	949	949	946	945	949	960	946	949	949	948
15	949	949	949	949	949	949	947	946	947	949	945	945	945	945	945	949	949	949	949	950	951	949	949	949	949	948
16	950	950	948	947	946	946	946	946	946	946	942	942	942	947	949	954	955	955	956	960	957	954	953	951	950	950
17D	951	951	951	950	951	948	948	948	948	946	947	947	946	943	946	951	951	951	953	962	960	958	952	952	948	950
18	948	943	945	943	940	932	931	928	939	940	940	938	939	940	943	947	951	951	950	948	948	948	949	946	943	943
19	943	944	947	947	947	947	947	946	947	948	947	943	940	942	943	952	959	952	951	952	954	952	951	950	947	948
20	947	947	947	947	946	944	943	943	943	944	942	942	943	943	944	947	951	955	953	951	951	951	950	947	947	947
21Q	947	943	941	940	943	945	945	945	945	945	940	938	935	936	939	943	947	947	947	947	947	947	947	946	947	944
22	948	944	941	939	937	934	931	933	937	941	940	936	936	940	943	949	954	952	952	952	949	948	947	946	946	943
23Q	946	946	946	946	946	947	947	947	948	950	948	945	944	944	944	947	948	948	948	948	948	948	948	947	946	947
24	946	944	944	944	944	944	944	944	944	944	944	941	937	940	943	944	944	944	945	945	945	945	947	946	944	944
25D	945	942	937	929	927	929	930	928	925	927	946	929	935	938	943	953	965	988	977	978	987	981	930	934	879	945
26D	879	903	933	863	905	929	935	941	944	945	946	942	943	949	949	957	960	957	957	957	958	949	945	949	949	**939**
27D	949	944	929	933	938	937	937	937	937	939	944	945	946	946	958	985	980	969	980	972	969	934	937	914	933	948
28D	933	937	940	942	945	945	946	948	945	944	942	942	941	944	950	957	962	972	981	965	960	960	961	961	945	**951**
Mean	945	944	944	**941**	942	943	943	943	944	945	945	943	943	944	947	951	953	954	**955**	954	954	952	948	947	944	947

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

218. Eskdalemuir. **February, 1923.**

Day.	Terrestrial Magnetic Force.												Character Figures.§		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +
	North Component.					West Component.				Vertical Component.						
	Maximum 15000 γ +		Minimum 15000 γ +		Range.	Maximum 4000 γ +		Minimum 4000 γ +		Range.	Maximum 44000 γ +		Minimum 44000 γ +		Range.	ΣR^2	ρ		
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a.*
1	19 15 22 41	1026	969	18 49	57	13 36	705	629	19 2	76	19 2	962	942	3 35	20	94	0·76	1	84·1
2	16 30	1011	982	18 22	29	13 0	698	652	18 23	46	18 35	954	939	12 15	15	32	0·26	0	84·1
3	20 49	1016	967	12 24	49	15 31	717	644	21 30	73	17 52	966	944	7 8	22	82	0·66	1	83·9
4	20 38	1020	968	12 41	52	13 27	706	614	1 39	92	17 0	957	933	2 48	24	117	0·94	1	84·0
5	21 1	1020	986	12 40	34	15 38	716	662	1 14	54	20 2	953	943	11 28	10	42	0·34	0	83·9
6	20 50	1042	992	12 58	50	11 25	690	646	20 25	44	20 40	957	941	7 0	16	47	0·38	0	83·9
7	0 58	1016	967	16 40	49	11 19	705	637	17 53	68	17 54	970	942	1 0 13 14	28	78	0·63	1	83·9
8	21 16	1021	976	12 39	45	7 8	699	666	0 32	33	17 0	951	935	1 52	16	34	0·27	0	83·9
9	19 38	1012	992	13 0	**20**	13 12	701	677	1 13	24	10 50	950	944	13 29	**6**	10	0·08	0	83·9
10	22 3	1032	952	12 17	80	13 59	710	652	22 20	58	19 2	961	937	4 40	24	103	0·83	1	83·9
11	7 20	1012	973	14 12	39	12 50	702	663	0 16	39	14 12	954	944	3 40	10	31	0·25	0	84·1
12	6 15	1015	988	10 59	27	12 50	690	668	10 6	**22**	15 10	955	948	6 10	7	13	0·10	0	84·1
13	22 2	1014	989	11 13	25	14 23	695	673	9 35	**22**	0 1	952	945	13 10	7	12	0·09	0	84·1
14	21 30	1047	988	20 20	59	14 19	700	626	20 40	74	20 55	963	945	10 45	18	93	0·75	1	83·9
15	7 49	1015	989	12 50	26	12 2	694	667	0 1	27	20 5	952	945	14 30	7	15	0·12	0	83·9
16	7 15	1027	983	14 40	44	14 4	714	662	19 2	52	19 1	961	941	12 41	20	50	0·41	0	83·9
17	19 27	1086	979	19 42	107	13 33	701	619	19 16	82	19 17	971	943	13 20	28	190	1·52	1	83·9
18	6 32	1052	972	11 50	80	6 44	705	662	0 5 20 10	43	17 10	951	927	6 41	24	88	0·71	1	83·9
19	0 1	1023	986	13 11	37	14 10	705	662	20 40	43	15 50	959	939	2 0	20	36	0·29	0	83·9
20	5 55	1023	983	12 22	40	14 54	704	667	17 0	37	17 10	956	941	10 40	15	32	0·26	0	83·8
21	6 12	1023	983	12 9	40	13 0	695	662	24 0	33	16 41	947	935	12 0	12	28	0·23	0	83·7
22	6 15	1035	988	12 0	47	11 55	695	654	3 0	41	16 0	955	930	6 12	25	45	0·36	0	83·7
23	19 19	1014	983	12 3	31	13 48	695	666	9 25	29	9 30	952	944	13 39	8	19	0·15	0	83·7
24	22 55	1032	993	11 53	39	14 1	700	668	9 35	32	22 40	948	936	12 0	12	27	0·22	0	83·7
25	21 41	1093	897	23 59	196	21 21	**726**	592	23 14	134	21 9	996	861	24 0	**135**	746	6·00	2	83·8
26	20 36	**1094**	**890**	0 6	**204**	11 25	720	603	3 19	117	20 29	961	**846**	2 27	115	685	5·51	2	83·7
27	22 23	1090	934	20 9	156	12 59	710	**570**	20 17	**140**	18 31	**1004**	908	23 10	96	532	4·27	2	83·7
28	17 58	1032	958	17 34	74	12 54	709	599	17 42	110	17 45	985	933	0 1	52	203	1·63	1	83·7
Mean	—	1034	972	—	62	—	704	645	—	59	—	961	933	—	28	124	—	0·54	83·9
No. of Days used	—	28	28	—	28	—	28	28	—	28	—	28	28	—	28	28	—	28	28

§ For explanation *see* page 105.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

219. Eskdalemuir. (X.) **March, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1003	997	998	999	998	1002	1002	999	997	1002	992	992	992	991	994	996	994	997	1001	1003	998	997	1006	1000	1007	998
2	1007	999	999	999	1003	1003	1003	1007	1006	1002	997	988	988	989	989	989	993	993	1000	1001	999	1006	1006	1004	1006	999
3	1006	1007	1006	1002	1002	1003	1007	1008	1011	1002	997	994	993	997	998	992	988	992	998	1000	1002	1004	1006	1003	1003	1001
4	1003	1002	1001	997	1004	1017	1013	1016	1010	1006	1000	995	993	994	993	993	995	997	1004	1006	1005	1006	1002	999	1004	1002
5	1004	1004	1004	1004	1006	1008	1007	1007	1008	1003	1002	1002	1002	1002	1002	1002	1002	1002	1005	1006	1006	1006	1007	1016	1010	1005
6	1009	1006	1006	1006	1006	1010	1010	1010	1007	1004	999	996	993	996	1001	1006	1008	1008	1011	1015	1010	1010	1010	1007	1007	1006
7	1007	1006	1006	1006	1006	1015	1015	1015	1014	1010	998	995	990	992	999	997	987	979	992	1001	991	1006	1010	1006	1006	1002
8Q	1006	1004	1006	1006	1005	1005	1006	1007	1006	1001	995	991	991	994	1001	1005	1002	1002	1003	1005	1006	1006	1005	1005	1006	1003
9Q	1006	1005	1005	1006	1006	1010	1010	1010	1011	1009	1005	996	993	994	997	1001	1004	1006	1007	1010	1011	1011	1011	1011	1011	1006
10Q	1011	1009	1008	1007	1010	1010	1013	1016	1013	1008	1001	996	996	999	1000	1005	1003	1006	1007	1011	1011	1012	1012	1015	1011	1007
11Q	1011	1011	1011	1012	1016	1016	1020	1021	1017	1016	1010	1001	996	993	995	1000	1001	1010	1010	1011	1011	1011	1014	1012	1012	1009
12	1012	1014	1014	1011	1010	1009	1010	1015	1015	1010	1006	1001	999	1001	1000	1006	1011	1012	1012	1016	1016	1011	1011	1007	1011	**1010**
13	1011	1007	1007	1008	1010	1010	1011	1011	1007	1001	1000	995	989	986	983	991	1001	1006	1010	1011	1012	1011	1011	1011	1011	1004
14	1010	1009	1006	1006	1009	1011	1015	1015	1010	1004	995	985	987	989	997	1001	1005	1010	1010	1020	1028	1024	1011	1043	1009	1008
15D	1009	1008	1011	1014	1018	1020	1025	1011	1014	1004	998	987	987	990	991	1002	999	1000	1005	1008	1015	1015	1010	1030	1023	1007
16	1023	1005	1005	1009	1011	1011	1000	1009	1002	993	982	976	982	970	981	998	997	1004	1008	1014	1011	1028	1005	1023	1021	1002
17	1021	1020	1005	1000	1005	1010	1011	1014	990	995	994	987	985	990	995	999	1000	1005	1009	1011	1010	1006	1010	1010	1011	1003
18	1011	1009	1009	1010	1011	1010	1010	1014	1002	987	978	970	971	980	988	1000	1009	1006	996	1005	1010	1011	1028	1011	1006	1001
19	1006	1011	1009	1004	1001	1008	1011	1015	1005	996	984	966	964	973	987	1000	1004	1005	1006	1009	1010	1010	1010	1010	1009	1000
20	1009	1009	1009	1009	1010	1011	1012	1011	1007	991	978	977	979	989	1000	1007	1013	1016	1012	1016	1020	1025	1010	1011	1009	1005
21	1009	1006	1009	1010	1010	1011	1014	1014	1010	1000	990	976	970	970	980	986	989	992	998	994	995	998	992	998	1004	997
22	1004	1004	1006	1011	1008	1010	1010	1006	1005	997	985	976	971	971	976	985	991	1001	1008	1010	1010	1010	1009	1010	1010	999
23Q	1010	1010	1010	1010	1010	1011	1014	1015	1010	1000	986	980	977	980	986	998	1005	1009	1010	1010	1011	1014	1015	1015	1015	1004
24D	1015	1015	1015	1016	1019	1017	1018	1012	1011	1004	961	951	946	957	971	1009	996	1034	1010	946	979	995	1010	980	1000	995
25D	1000	946	985	936	960	972	961	951	961	970	966	957	956	961	975	985	991	991	995	1014	1002	998	1000	1002	995	**976**
26D	995	1000	986	980	983	980	993	985	961	942	951	960	961	951	965	1000	1002	991	1000	1009	1005	999	1010	995	995	984
27D	995	976	984	990	990	977	994	995	986	975	955	947	951	966	976	982	990	1000	997	995	995	999	1005	1001	1001	984
28	1001	998	1000	991	1000	1001	997	988	992	984	947	961	972	976	990	992	995	1000	1012	1011	1001	1005	1020	1010	1000	994
29	1000	1014	998	1001	1000	1002	1004	1000	995	985	975	976	979	984	984	1000	997	996	1001	1005	1008	1005	1018	996	998	997
30	998	1000	1000	1000	1000	1010	1015	1006	997	990	980	984	985	985	988	988	996	996	1003	1005	1008	1006	1005	1002	1002	998
31	1002	1015	1001	1006	1006	1011	1014	1011	1010	1000	984	980	978	985	994	998	1000	996	998	1008	1006	1010	1011	1009	1009	1002
Mean†	1007	1004	1004	1002	1004	1006	1008	1007	1002	996	986	981	**980**	983	989	997	999	1002	1004	1006	1007	1008	**1010**	1008	1007	1000

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

220. Eskdalemuir. (−Y.) **March, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	649	667	667	671	671	670	668	667	668	673	668	672	682	693	691	693	684	678	677	674	672	661	667	667	672	673
2	672	674	676	673	669	668	671	672	668	666	672	682	688	694	693	689	686	669	677	671	673	675	675	672	673	676
3	673	672	673	672	671	672	673	673	672	669	673	683	693	700	703	698	689	685	683	681	677	668	667	661	662	678
4	662	667	666	666	667	657	662	668	671	671	673	686	691	697	695	694	692	684	682	683	678	677	673	666	668	676
5	668	662	667	662	666	666	668	673	673	673	674	677	684	689	688	687	682	679	677	677	682	674	677	661	667	674
6	667	673	672	672	672	672	668	670	672	670	668	677	684	690	690	687	679	677	679	679	679	680	677	673	672	676
7	672	671	672	671	671	669	669	673	674	673	676	692	705	714	717	715	709	699	682	672	657	676	677	676	673	**683**
8 Q	673	672	674	672	672	673	672	672	668	667	668	675	687	689	688	683	677	677	678	678	677	677	676	673	673	676
9 Q	673	672	672	672	672	671	673	676	675	673	674	682	689	693	693	691	683	679	678	679	679	678	677	677	676	678
10 Q	676	675	673	674	677	675	678	674	670	668	671	677	688	699	694	688	682	678	681	682	681	677	677	677	677	679
11 Q	677	677	677	678	677	674	673	673	670	669	672	677	687	691	689	690	682	677	678	678	679	679	679	677	677	678
12	677	677	672	669	671	673	678	677	673	671	672	678	688	694	693	689	686	682	682	683	683	681	674	664	666	678
13	666	672	672	673	671	672	671	671	667	665	668	682	692	699	698	692	683	676	677	677	674	677	677	677	674	677
14	674	676	675	672	673	673	672	672	667	660	668	677	693	693	690	687	682	682	689	693	691	689	661	629	657	676
15 D	657	671	679	672	669	672	673	677	673	671	678	683	694	698	694	695	692	680	677	673	682	677	668	660	677	678
16	677	678	678	677	677	676	684	676	666	658	672	680	701	689	693	689	683	677	674	674	665	655	656	671	661	676
17	661	666	651	666	667	671	672	673	678	682	672	685	691	696	690	684	677	676	677	677	676	670	670	672	675	675
18	675	672	672	674	675	677	683	667	661	652	657	672	686	695	699	694	687	678	669	674	673	673	646	662	666	674
19	666	673	671	668	686	674	672	671	664	663	669	679	694	704	704	693	683	677	677	676	674	677	677	677	676	678
20	676	677	677	677	677	676	671	663	657	657	662	676	685	693	695	689	683	677	677	682	684	648	668	668	673	675
21	673	673	673	672	671	671	668	667	662	663	669	675	693	703	704	700	700	690	683	679	667	662	645	651	645	675
22	645	642	649	656	662	661	662	661	661	661	673	682	692	698	698	692	683	677	674	676	676	676	676	677	677	672
23 Q	677	676	676	676	673	672	670	662	656	655	660	673	688	698	699	693	684	677	677	677	677	677	677	678	677	676
24 D	677	677	677	677	674	671	668	662	656	656	676	698	718	753	732	741	762	756	613	635	652	609	607	579	603	675
25 D	603	609	625	582	623	645	655	657	672	666	668	675	683	693	683	690	694	687	673	677	663	673	677	677	683	**662**
26 D	683	669	683	678	672	668	661	655	652	658	665	672	689	694	703	694	678	681	673	651	657	660	660	661	675	671
27 D	675	690	677	667	665	684	673	666	661	660	666	677	698	694	702	699	689	661	668	672	666	666	668	688	670	676
28	670	662	657	656	660	664	660	662	658	656	661	678	698	698	699	687	683	674	654	668	672	667	653	671	667	669
29	667	687	662	673	662	660	657	655	649	650	659	677	693	699	693	690	683	668	667	672	672	666	652	655	666	669
30	666	662	666	661	660	660	655	655	654	658	672	682	688	693	695	684	677	674	672	669	671	671	666	663	661	670
31	661	672	657	657	661	661	661	658	656	658	661	678	689	698	694	691	683	673	667	672	672	671	667	668	662	670
Mean †	668	670	669	668	669	670	669	667	665	**664**	669	679	692	**698**	697	693	688	681	674	674	673	670	666	666	668	675

† Mean of 29 days; 4th and 5th omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

221. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **March, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	945	949	950	951	951	952	950	949	949	945	945	946	946	946	949	953	956	957	956	954	956	957	954	952	951	951
2	951	949	949	949	949	949	949	949	950	952	950	947	944	942	946	950	955	957	957	957	957	954	953	953	952	951
3	952	951	949	949	949	949	949	949	949	949	945	944	942	943	944	949	955	955	954	955	956	957	956	957	955	950
4	955	954	953	953	949	946	945	943	945	945	*	—	—	—	—	—	—	—	—	—	—	—	—	—	*	—
5	*	—	—	—	—	—	—	—	—	—	*	946	943	942	942	947	950	951	951	951	951	950	951	950	950	—
6	950	949	950	950	950	949	947	946	946	943	943	942	941	942	946	948	949	949	950	947	947	946	946	949	949	947
7	949	950	950	949	947	946	946	943	942	942	943	939	934	938	942	948	955	966	966	966	973	962	955	953	952	950
8 Q	953	951	951	950	951	951	951	951	949	949	949	949	949	952	954	958	966	963	959	959	958	956	955	955	955	954
9 Q	955	953	952	951	951	951	951	951	951	951	951	947	947	947	947	949	954	954	954	954	954	952	951	951	951	951
10 Q	951	951	951	951	951	951	951	950	951	951	950	941	939	941	944	947	951	951	949	949	949	951	951	951	950	949
11 Q	950	948	948	948	947	947	947	946	946	949	944	939	932	932	937	943	947	951	948	949	950	951	951	951	951	946
12	951	949	947	947	947	947	947	947	947	949	947	943	939	940	943	947	948	947	947	947	947	947	947	949	951	947
13	948	948	947	947	946	945	945	944	944	945	941	936	932	930	936	940	948	950	949	948	948	948	948	948	948	944
14	948	948	946	946	945	944	944	944	946	948	937	933	935	937	942	945	947	946	945	944	944	944	951	952	942	944
15 D	943	944	942	941	941	941	941	942	944	945	943	941	938	941	943	945	950	951	951	950	948	946	951	946	933	944
16	933	935	937	941	941	941	938	940	941	942	934	937	937	945	954	956	958	955	952	949	949	947	947	941	936	944
17	936	926	926	937	941	941	942	943	944	941	942	941	938	941	945	950	953	952	949	949	949	951	949	949	946	943
18	946	949	949	949	948	946	944	945	946	949	945	937	937	938	944	950	953	956	957	954	952	951	950	942	945	947
19	945	945	945	947	941	942	945	947	947	946	945	944	938	938	945	949	953	955	953	952	950	949	949	949	949	947
20	949	949	949	949	949	949	949	949	949	949	945	940	934	936	941	945	946	947	946	946	945	949	949	947	946	946
21	947	949	950	950	950	950	950	950	950	947	942	942	939	943	948	957	961	962	965	967	969	966	965	959	954	953
22	954	940	938	938	942	945	946	949	947	949	945	938	938	941	945	953	958	958	958	954	954	952	950	950	950	948
23 Q	950	950	950	950	950	950	950	952	951	949	942	938	935	937	943	946	950	951	950	950	950	949	947	946	946	947
24 D	947	947	947	947	947	947	948	951	949	943	939	935	935	936	944	951	978	1058	1050	1046	1032	993	908	915	932	**962**
25 D	932	884	829	832	853	899	915	927	940	951	959	959	936	963	982	971	970	975	985	963	963	963	959	947	947	**937**
26 D	947	947	947	929	929	936	947	955	955	955	953	954	952	958	967	986	991	969	965	968	965	961	936	947	943	955
27 D	943	920	919	936	943	938	932	937	940	939	943	943	943	947	953	964	975	990	986	971	967	963	956	939	925	949
28	926	940	944	948	948	948	948	951	952	952	949	945	945	951	952	953	956	960	964	962	961	960	955	948	951	951
29	951	939	939	940	941	944	948	952	952	952	948	944	941	944	951	959	964	965	963	958	958	959	957	956	956	951
30	956	956	954	952	952	948	946	949	952	948	945	944	944	949	955	959	963	960	958	957	957	957	958	960	959	953
31	959	942	944	947	946	944	944	944	944	943	940	936	933	936	943	950	955	958	957	953	953	953	952	952	952	947
Mean †	947	943	941	942	943	944	945	947	947	947	945	942	**940**	943	948	952	957	**961**	960	958	957	955	950	949	947	949

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

222. Eskdalemuir. **March, 1923.**

Day.	Terrestrial Magnetic Force.																		Character Figures.§		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	North Component.					West Component.					Vertical Component.								ΣR^2	p		
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.							
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ				$100\gamma^2$			*a.*
1	22 13	1018	986	13 11	32	12 50	703	640	0 7	63	16 35	959	944	0 1	15	52	0·28	0	83·7
2	0 10	1013	982	16 34	31	14 9	695	662	16 58	33	16 50	957	942	13 12	15	23	0·12	0	83·7
3	21 32	1014	982	15 38	32	14 8	705	651	22 43	54	22 42	957	941	12 3	16	42	0·22	0	83·7
4	6 52	1018	986	11 41	32	13 32	699	655	3 2	44	—	—	—	—	—	—	—	0	84·1
5	22 48	1017	998	12 33	**19**	13 11	693	655	23 0	38	19 0	951	941	13 20	10	19	0·10	0	83·7
6	19 5	1016	991	12 3	25	13 22	693	666	0 1	27	—	—	939	12 5	—	—	—	0	83·7
7	7 0	1016	967	17 10	49	14 25	725	652	19 52	73	20 0	974	934	12 11	40	93	0·50	1	83·7
8	20 40	1011	991	10 47	20	13 43	692	666	8 55	**26**	16 20	967	947	11 15	20	15	0·08	0	83·7
9	20 35	1014	986	12 44	28	13 10	695	667	3 33	28	16 45	955	946	13 30	**9**	16	0·09	0	83·9
10	6 38	1017	991	12 26	26	13 4	703	666	8 31	37	16 40	951	938	11 50	13	22	0·12	0	83·9
11	6 8	1021	991	13 50	30	13 34	698	666	8 11	32	17 30	951	931	12 25	20	23	0·12	0	83·9
12	18 38	1019	995	12 23	24	13 50	700	660	22 40	40	22 55	951	939	12 30	12	23	0·12	0	83·9
13	18 28	1016	980	14 7	36	12 33	708	661	7 55	47	17 0	950	928	12 33	22	40	0·21	0	83·7
14	23 7	1055	982	11 4	73	12 52	699	622	23 3	77	22 35	959	932	11 30	27	120	0·64	1	83·5
15	23 10	1054	980	13 10	74	15 31	710	640	22 32	70	18 40	951	930	24 0	21	108	0·58	1	83·6
16	23 32	1043	959	12 54	84	12 26	705	646	21 42	59	16 30	959	929	0 10	30	114	0·61	1	83·5
17	22 18	1034	980	10 50	54	13 26	700	642	2 19	58	21 10	953	924	1 16	29	71	0·38	1	83·7
18	21 55	1043	965	10 55	78	14 38	704	629	21 50	75	18 2	957	935	11 28	22	122	0·65	1	83·7
19	7 12	1018	961	11 12	57	13 19	709	661	9 10	48	17 0	956	937	12 30	19	59	0·32	0	83·7
20	20 59	1049	975	10 46	74	14 3	699	635	21 2	64	21 30	951	933	12 10	18	99	0·53	1	83·8
21	6 30	1015	962	12 33	53	14 56	709	635	24 0	74	19 48	970	939	12 5	31	92	0·49	0	83·7
22	2 40	1015	966	13 20	49	13 10	700	630	0 6	70	16 32	960	936	11 30	24	79	0·42	0	83·7
23	21 40	1018	975	11 49	43	14 12	702	652	8 28	50	17 33	953	935	12 30	18	47	0·25	0	83·8
24	21 26	**1141**	917	18 44	**224**	17 10	**848**	**479**	21 25	**369**	17 21	**1104**	876	21 45	**228**	2383	12·72	2	83·8
25	18 26	1058	**896**	2 33	162	12 32	715	517	2 42	198	18 19	988	**812**	3 24	176	964	5·15	2	83·9
26	15 16	1052	932	8 44	120	14 47	725	635	18 48	90	15 30	1002	924	3 50	78	286	1·53	2	83·9
27	17 10	1015	941	10 43	74	14 10	708	645	17 4	63	17 12	994	916	1 28	78	155	0·83	1	83·8
28	21 50	1041	930	10 11	111	12 18	703	645	22 10	58	17 50	964	924	0 1	40	173	0·92	1	83·7
29	21 37	1031	971	9 47	60	13 17	706	641	22 9	65	17 20	965	936	1 25	29	87	0·46	1	83·7
30	5 32	1019	976	9 52	43	13 49	699	651	8 43	48	16 0	963	941	11 20	22	46	0·25	0	83·7
31	0 27	1030	976	11 10	54	0 28	699	651	8 30	48	17 19	959	932	12 0	27	59	0·32	0	83·6
Mean	—	1030	970	—	60	—	708	639	—	69	—	967	929	—	38	187	—	0·52	83·7
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	29	30	—	29	29	—	31	31

* No trace; lights not adjusted. † Mean of 29 days; 4th and 5th omitted. § For explanation *see* page 105.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

223. Eskdalemuir. (X.) **April, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1009	1006	1005	1004	1000	1009	1014	1015	1006	995	984	983	985	990	992	998	1000	1000	1006	1015	1015	1015	1014	1011	1009	1003
2 Q	1009	1009	1006	1005	1009	1010	1010	1009	1000	986	979	977	980	984	992	1000	1005	1010	1014	1014	1014	1016	1018	1015	1016	1003
3	1016	1015	1019	1020	1020	1018	1019	1016	1005	990	977	971	974	978	990	996	1005	1005	1006	1007	1015	1015	1015	1014	1011	1004
4	1011	1010	1010	1014	1015	1016	1016	1015	1008	996	979	967	970	976	986	995	994	1011	1011	1010	1014	1015	1015	1014	1011	1003
5 Q	1011	1011	1011	1014	1015	1018	1017	1014	1008	997	985	977	980	985	995	1005	1009	1005	1006	1013	1013	1011	1011	1011	1010	1005
6	1011	1012	1012	1011	1012	1015	1016	1017	1016	1011	997	981	972	976	985	992	998	1011	1016	1016	1018	1014	1015	1015	1027	1006
7	1027	1016	1021	1021	1025	1022	1023	1020	1015	1001	990	981	977	978	987	992	1003	1005	1005	1005	1011	1012	1020	1018	1012	1007
8	1012	1016	1019	1009	1009	1011	1011	1011	1006	1000	991	988	989	992	994	1001	1007	1016	1010	1016	1018	1019	1017	1017	1021	1008
9	1021	1020	1012	1010	1012	1017	1020	1016	1007	992	981	981	981	987	990	1001	1001	1016	1024	1012	1029	1025	1019	1011	1010	1007
10	1010	1011	1012	1015	1016	1019	1025	1021	1024	1010	991	986	981	991	993	1008	998	1010	1021	1034	1027	1027	1041	1021	1050	1013
11	1050	1015	1014	1019	1021	1023	1023	1021	1016	1001	991	985	981	981	991	998	1003	1013	1021	1016	1017	1018	1041	1029	1019	1011
12 D	1019	1017	1007	996	1016	1021	1023	1010	1006	1016	1001	985	981	983	991	990	1006	1020	1017	1012	1017	1040	1015	1010	1006	1008
13 D	1006	1009	1006	1006	1001	1001	1016	1012	1007	997	986	977	975	987	993	1000	997	1005	1010	1020	1020	1024	1039	1025	998	1005
14	998	1029	1011	986	1012	1010	1012	1015	1005	992	982	981	977	986	991	993	1006	1015	1016	1017	1015	1017	1016	1016	1025	1005
15	1026	1011	1012	1013	1013	1016	1018	1011	1007	998	983	978	979	979	986	993	999	1010	1017	1018	1022	1016	1020	1016	1016	1006
16	1016	1013	1013	1013	1013	1015	1016	1016	1008	997	982	974	974	978	988	1004	1015	1021	1025	1024	1025	1022	1022	1021	1019	1008
17 Q	1019	1019	1019	1018	1022	1022	1019	1017	1012	994	971	966	964	979	992	1002	1012	1020	1022	1020	1019	1019	1021	1019	1017	1008
18	1017	1017	1017	1018	1020	1020	1022	1017	1014	998	978	977	985	992	1002	1011	1014	1011	1015	1020	1023	1023	1022	1022	1020	1011
19	1020	1018	1016	1014	1019	1019	1018	1016	1008	993	978	977	982	993	1005	1014	1018	1019	1021	1022	1022	1022	1024	1025	1025	1011
20	1025	1020	1019	1018	1018	1024	1024	1023	1016	1011	981	968	986	998	1008	1005	1018	1031	1019	1016	1021	1028	1025	1017	1019	**1013**
21 D	1019	1019	1017	1020	990	1012	1022	1008	997	972	982	970	959	961	993	984	994	1010	1023	1028	1014	1028	1018	1007	1018	**1002**
22 D	1018	1016	1002	1004	1011	1006	1013	1001	986	982	969	955	964	977	993	997	1007	1040	1022	1045	1022	1015	1012	1026	1024	1004
23 D	1023	1015	1011	1009	992	1011	1018	1015	1005	997	988	985	981	998	998	1003	1015	1025	1011	1030	1020	1025	1019	1024	1021	1009
24	1021	1035	1015	993	1007	1014	1009	996	994	995	972	969	982	989	990	997	999	1021	1023	1025	1023	1032	1013	1012	1017	1005
25	1017	1014	1013	1016	1001	1016	1015	1011	1009	1001	992	993	992	993	999	1001	1006	1009	1017	1018	1016	1015	1016	1022	1025	1009
26 Q	1025	1016	1009	1011	1010	1011	1012	1010	1005	998	988	983	987	997	1002	1004	1012	1016	1015	1022	1020	1017	1015	1014	1015	1008
27 Q	1015	1016	1013	1011	1010	1011	1010	1008	1006	1001	989	987	990	996	1004	1011	1014	1021	1024	1027	1020	1017	1013	1011	1017	1009
28	1017	1017	1014	1012	1014	1015	1010	1008	1006	1001	991	982	984	987	996	1003	1011	1018	1021	1023	1021	1017	1016	1013	1015	1008
29	1015	1014	1012	1014	1015	1014	1012	1015	1011	1001	987	979	985	991	1001	1007	1013	1021	1026	1028	1027	1024	1037	1021	1019	1011
30	1019	1018	1017	1017	1019	1020	1021	1019	1009	996	985	981	986	991	999	1007	1014	1019	1024	1029	1025	1021	1021	1022	1022	1012
Mean†	1017	1016	1013	1011	1012	1015	1017	1014	1007	997	984	**978**	979	985	994	1000	1006	1015	1017	1020	1019	1021	**1021**	1018	1018	1007

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

224. Eskdalemuir. (−Y.) **April, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	662	665	662	665	667	672	667	661	651	646	654	670	689	702	703	694	688	678	673	667	665	661	668	671	668	671
2 Q	668	667	665	667	671	664	662	657	651	650	661	673	688	698	697	689	684	681	677	677	677	672	673	666	663	672
3	663	667	667	667	668	669	668	659	651	646	651	667	686	693	700	697	692	683	677	673	673	677	677	673	673	673
4	673	672	672	671	668	666	662	656	646	645	656	667	678	693	703	703	690	688	677	675	677	668	677	677	673	673
5 Q	673	672	671	671	672	672	668	661	652	652	657	665	682	691	692	688	687	683	683	681	677	675	673	672	671	674
6	671	671	671	671	669	668	665	658	651	651	655	661	673	687	692	689	687	683	681	673	673	673	677	676	671	672
7	671	659	656	649	651	661	666	662	655	655	661	671	688	699	701	694	695	689	683	677	667	671	661	661	666	671
8	666	659	646	661	663	665	663	660	656	656	661	672	685	695	695	693	690	689	677	677	680	679	672	652	651	671
9	651	645	657	661	661	661	661	651	642	646	661	673	686	695	695	694	686	684	684	673	646	649	645	665	672	666
10	672	671	669	667	667	667	667	661	654	647	652	667	684	700	698	699	687	684	685	689	674	668	657	656	656	672
11	656	652	665	667	667	667	666	662	665	661	665	683	695	701	702	694	688	682	683	678	677	673	656	676	663	**674**
12 D	663	667	662	688	673	675	673	666	662	652	662	671	688	699	705	694	699	668	672	672	661	666	651	661	666	673
13 D	666	681	681	673	677	672	666	657	645	645	657	672	681	694	703	700	688	678	673	671	668	667	634	603	640	668
14	640	656	645	678	681	663	660	652	645	645	652	671	684	705	709	701	693	684	677	670	657	656	667	672	677	670
15	677	672	667	667	667	666	657	652	645	642	646	660	679	694	695	693	687	682	677	672	663	665	667	671	670	669
16	670	671	671	671	667	667	665	657	646	641	645	661	684	702	705	700	693	683	677	673	674	675	673	673	672	673
17 Q	672	672	671	671	671	668	670	660	650	646	649	667	686	699	698	689	684	679	677	673	673	670	669	669	670	672
18	670	671	671	671	670	668	665	654	646	639	645	661	687	699	700	697	689	679	675	675	674	673	665	667	668	671
19	668	670	671	676	670	666	661	652	641	639	652	676	693	703	701	691	683	677	674	675	675	674	672	663	662	672
20	662	663	665	663	663	671	670	660	649	647	651	673	693	706	707	695	691	689	675	668	660	660	661	655	667	671
21 D	666	664	664	646	644	678	650	642	638	642	645	662	680	692	706	697	685	682	678	680	657	645	656	674	672	666
22 D	672	648	661	665	654	677	658	645	645	639	646	666	688	701	701	694	680	671	676	661	651	650	634	656	660	664
23 D	660	640	618	619	653	660	650	648	645	647	655	667	682	698	698	693	681	690	662	656	668	669	662	669	666	**662**
24	666	666	652	656	664	658	659	658	655	651	652	667	683	696	695	688	679	674	675	673	666	656	667	666	669	668
25	669	661	658	654	660	658	654	656	659	660	666	670	676	684	684	680	676	674	675	673	670	670	671	672	664	668
26 Q	664	661	661	660	659	659	656	654	650	646	655	666	677	685	684	679	680	679	675	670	672	672	671	669	667	667
27 Q	667	667	665	664	661	657	654	651	648	649	661	671	682	686	685	683	677	676	675	672	672	672	672	670	666	668
28	666	662	659	654	650	646	646	645	644	648	658	668	680	688	690	685	680	680	679	673	672	667	665	669	666	666
29	666	667	661	656	655	651	650	644	641	644	656	670	684	690	688	682	675	673	670	670	671	669	648	651	656	664
30	656	664	662	661	656	655	650	648	644	648	662	679	692	694	692	686	682	681	678	675	670	667	668	669	673	669
Mean†	665	664	662	664	665	666	662	655	649	**647**	655	669	685	696	**698**	693	686	681	677	673	668	667	663	664	666	670

† Mean of 28 days; 27th and 28th omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

225. Eskdalemuir. (Z.) **April, 1923.**

44,000 γ (·44 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	952	952	951	949	948	948	948	952	955	956	952	944	941	942	945	952	955	955	953	952	954	953	952	952	952	951
2 Q	953	953	953	953	950	950	952	953	953	950	943	942	942	942	949	953	953	953	953	953	953	952	952	953	952	951
3	952	952	950	949	949	949	949	952	953	950	945	942	942	945	949	953	954	955	957	955	953	950	950	949	949	950
4	949	953	953	952	950	949	951	953	949	945	941	941	942	942	942	950	954	953	954	957	953	953	952	950	951	950
5 Q	952	954	954	953	951	950	952	954	950	946	942	939	935	935	938	944	949	952	951	950	950	950	950	950	950	948
6	950	950	950	950	950	950	950	953	949	943	939	935	933	930	934	941	945	947	950	952	952	950	950	950	945	946
7	946	943	940	939	939	939	940	943	944	943	940	935	934	935	942	947	951	955	963	964	965	963	959	955	952	947
8	952	951	946	947	948	951	951	951	948	943	940	939	937	940	946	948	950	951	956	956	955	951	955	953	944	948
9	944	943	940	946	947	948	948	951	949	947	940	939	939	939	944	949	951	951	952	956	959	952	947	947	948	947
10	949	952	952	952	952	951	952	952	951	948	944	940	936	936	943	948	952	951	950	949	953	956	952	948	925	948
11	926	936	942	945	945	945	946	949	948	945	945	939	938	942	945	946	948	950	950	953	953	956	950	935	940	945
12 D	941	946	945	932	934	938	942	947	948	947	946	944	943	948	952	960	965	973	970	962	960	947	946	946	950	949
13 D	950	946	943	942	939	943	947	951	951	950	943	941	942	939	942	947	950	956	957	957	956	954	950	934	929	947
14	930	908	919	923	927	939	945	948	951	951	948	940	935	935	941	948	951	955	956	955	956	957	953	951	947	943
15	947	943	944	947	948	951	951	955	954	952	950	944	943	944	948	954	955	955	955	955	955	954	951	951	951	950
16	951	951	951	951	951	951	951	954	954	950	944	936	932	934	939	945	948	951	952	952	951	951	951	951	951	948
17 Q	951	951	951	951	950	950	951	952	952	948	944	939	936	937	944	952	954	955	952	952	952	951	951	951	951	949
18	951	951	951	951	951	951	951	953	951	948	943	935	927	930	936	943	950	955	955	954	952	952	951	950	949	948
19	949	948	949	948	948	951	952	954	955	950	940	935	933	937	944	950	951	952	952	950	950	950	949	948	947	948
20	947	948	949	950	950	946	944	944	946	947	943	936	928	929	938	944	948	954	965	974	975	970	968	961	957	950
21 D	957	955	950	930	934	926	935	946	950	955	948	941	933	933	942	957	959	960	958	956	963	959	954	948	929	947
22 D	929	928	937	941	943	935	935	944	948	948	944	943	938	940	947	952	959	969	971	964	961	935	929	924	894	944
23 D	894	895	902	910	920	926	934	939	944	943	940	937	934	939	948	953	959	960	970	970	960	952	952	947	938	**940**
24	939	929	929	936	940	942	945	948	948	945	943	945	940	938	946	953	957	959	961	960	960	954	951	952	951	947
25	951	949	949	946	944	940	944	945	944	944	943	938	933	933	940	947	950	952	952	955	955	954	953	951	946	946
26 Q	946	945	948	949	952	952	952	952	949	945	946	945	943	942	947	950	951	952	955	959	960	959	956	956	956	951
27 Q	956	955	955	955	956	956	955	956	956	953	*	—	—	—	—	—	—	—	—	—	—	—	—	—	*	—
28	*	—	—	—	—	—	—	—	—	—	*	945	949	940	946	950	952	952	955	956	956	956	956	954	953	—
29	954	954	954	954	954	954	954	954	954	951	945	945	945	946	950	955	957	957	957	957	956	956	955	950	949	**953**
30	949	950	951	953	953	953	952	950	952	950	944	935	930	933	939	944	949	950	952	952	952	952	953	953	952	948
Mean†	945	944	945	945	945	946	947	950	950	948	944	940	**937**	938	944	949	953	955	956	**956**	956	953	951	949	945	948

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE
CHARACTER RATIOS: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

226. Eskdalemuir. **April, 1923.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15,000 γ +		Minimum 15,000 γ +	Range.	West Component. Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Vertical Component. Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	Character Figures.§ ΣR^2	ρ	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	100γ²			*a.*
1	20 26	1028	981	10 50	47	13 50	704	645	9 12	59	16 35	956	940	12 20	16	59	0·50	0	83·7
2	22 10	1025	976	10 23	49	12 56	699	646	8 43	53	15 58	954	941	12 50	**13**	54	0·46	0	83·7
3	2 54	1023	967	11 20	56	13 36 / 14 22	703	645	8 52	58	18 0	957	941	11 28	16	68	0·57	0	83·6
4	17 11	1020	960	11 10	60	14 25	709	643	8 54	66	18 31	957	940	10 50	17	82	0·70	0	83·7
5	5 30	1019	975	11 0	44	14 0	693	651	8 36	**42**	7 0	954	934	12 40	20	41	0·35	0	83·7
6	23 58	1035	971	12 33	64	14 20	694	650	8 42	44	19 32	954	930	13 0	24	66	0·56	0	83·7
7	0 12	1035	972	12 28	63	13 58	706	645	2 48	61	18 30	966	932	12 30	34	88	0·75	1	83·7
8	23 32	1035	986	11 20	49	13 38	699	636	2 10	63	18 40	959	937	11 38	22	69	0·58	1	83·7
9	20 6	1044	972	12 16	72	14 30	700	634	20 26	66	19 50	962	937	11 13	25	102	0·86	1	83·7
10	23 48	1079	972	12 9	107	13 36	705	644	22 41	61	20 42	957	921	24 0	36	165	1·39	1	83·7
11	22 14	**1087**	968	12 13	119	13 23	708	630	22 30	78	21 38	957	922	0 1	35	215	1·82	1	83·7
12	20 54	1064	971	14 49	93	14 18	**719**	645	9 10	74	17 23	976	930	3 10	46	162	1·37	1	83·7
13	22 7	1059	959	11 50	100	14 41	710	**585**	22 38	**125**	18 11	958	930	24 0	28	264	2·24	1	83·7
14	0 55	1044	970	11 26	74	13 43	714	635	0 1	79	20 31	959	904	1 0	55	147	1·25	1	83·7
15	0 16	1041	973	11 21	68	13 20	699	640	8 45	59	15 50	955	942	0 30	**13**	83	0·70	0	83·6
16	18 30	1027	969	11 45	58	13 50	709	636	9 30	73	7 30	955	931	12 10	24	93	0·78	0	83·6
17	22 18	1027	959	11 35	68	13 8	702	643	9 27	59	16 50	955	935	12 30	20	85	0·72	0	83·6
18	20 6	1029	973	10 30	56	14 13	704	635	9 27	69	17 5	956	926	12 10	30	88	0·74	0	83·6
19	22 23	1034	973	10 40	61	13 12	704	635	8 41	69	8 0	955	933	11 48	22	90	0·76	0	83·6
20	20 49	1037	960	10 32	77	13 45	715	639	22 56	76	19 18	**978**	927	12 10	51	143	1·21	1	83·6
21	20 38	1047	948	12 40	99	14 22	**719**	610	3 28	109	20 28	968	924	5 10	44	236	2·00	1	83·6
22	18 48	1074	**944**	11 30	**130**	23 33	711	619	21 34	92	18 30	974	**892**	24 0	82	321	2·72	2	83·5
23	18 42	1050	974	12 8	76	13 13	708	610	1 42	98	18 20	976	**892**	0 1	**84**	224	1·90	1	83·5
24	20 48	1067	957	10 24	110	13 10	700	625	20 40	75	18 0	962	926	1 17	36	190	1·61	1	83·6
25	23 15	1028	987	9 53	**41**	12 38	688	646	3 20	**42**	19 50	956	932	12 18	24	40	0·34	0	83·5
26	0 20	1026	981	11 12	45	13 15	687	645	8 45	**42**	19 20	961	941	12 43	20	42	0·35	0	83·7
27	18 42	1030	986	10 33	44	13 37	689	646	8 43	43	—	—	—	—	—	—	—	0	83·7
28	20 22	1026	981	11 34	45	13 55	692	643	7 52	49	21 20	958	937	12 20	21	49	0·41	0	83·7
29	21 50	1052	977	10 53	75	13 9	693	638	22 18	55	21 35	957	944	12 20	**13**	88	0·75	0	83·7
30	19 20	1035	976	10 57	59	13 2	697	641	8 33	56	19 40	953	929	12 15	24	72	0·61	0	83·7
Mean.	—	1041	971	—	70	—	703	636	—	67	—	960	929	—	31	118	—	0·47	83·7
No. of Days used	—	30	30	—	30	—	30	30	—	30	—	29	29	—	29	29	—	30	30

* No trace; lights out of adjustment. † Mean of 28 days; 27th and 28th omitted.

§ For explanation *see* page 105. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

227. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **May, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	1022	1023	1016	1016	1017	1020	1021	1024	1024	1017	1007	997	996	1000	1003	1009	1020	1011	1018	1028	1030	1028	1029	1026	1025	1017
2	1025	1026	1025	1021	1021	1022	1022	1020	1012	1001	990	987	992	1002	1011	1016	1019	1020	1022	1025	1025	1024	1022	1022	1022	1015
3 D	1021	1020	1021	1020	1020	1021	1019	1018	1012	1001	1000	996	1002	1009	1014	1020	1014	1031	1037	1027	1024	1024	1025	1062	1015	1019
4	1015	1021	1027	1016	1015	1010	1010	1007	1006	995	992	995	998	1003	1005	1004	1015	1016	1024	1028	1028	1021	1024	1019	1029	1013
5	1029	1015	1002	1007	1015	1015	1015	1008	1001	1001	995	990	989	993	1002	1002	1007	1020	1027	1023	1033	1023	1015	1013	1013	1010
6	1013	1015	1015	1014	1015	1015	1013	1013	1014	1013	1000	993	1002	1006	1007	1007	1011	1017	1025	1028	1021	1022	1025	1019	1020	1014
7	1020	1016	1015	1017	1016	1018	1018	1017	1013	1008	1003	998	1002	1005	1005	1011	1014	1019	1030	1032	1033	1033	1036	1037	1031	1018
8	1030	1029	1023	1020	1022	1025	1028	1017	1018	1015	1003	994	988	988	1000	999	1005	1008	1025	1026	1029	1028	1025	1039	1023	1016
9	1023	1013	1017	1014	1016	1014	1014	1019	1020	1013	998	994	1002	1002	1000	1012	1013	1019	1026	1025	1022	1019	1015	1014	1014	1013
10	1014	1014	1014	1014	1016	1018	1021	1019	1023	1014	1004	1002	999	1001	997	1008	1015	1023	1026	1026	1021	1019	1018	1014	1015	1014
11	1015	1018	1019	1018	1018	1015	1016	1016	1015	1009	1002	995	998	1000	993	1002	1007	1017	1024	1026	1025	1023	1019	1021	1018	1013
12 Q	1018	1016	1016	1017	1016	1018	1016	1010	1009	1006	998	990	992	995	1000	1011	1019	1028	1025	1023	1022	1024	1023	1023	1023	1013
13 Q	1023	1019	1020	1021	1017	1021	1020	1016	1006	999	988	988	991	1000	1013	1016	1018	1022	1025	1029	1022	1025	1027	1027	1023	1015
14	1023	1020	1022	1023	1024	1025	1023	1018	1010	1001	977	978	986	992	1000	1013	1025	1030	1029	1023	1021	1024	1027	1024	1018	1014
15	1018	1019	1019	1019	1020	1015	1013	1011	1004	999	994	989	982	977	987	1001	1016	1021	1023	1023	1021	1019	1019	1019	1021	1010
16	1021	1020	1018	1015	1017	1020	1019	1018	1011	1005	993	991	993	1001	1008	1015	1026	1029	1033	1029	1023	1025	1029	1030	1028	1016
17 D	1028	1025	1028	1034	1035	1032	1027	1020	1019	1014	1000	993	995	1004	1018	1039	993	1048	1053	1019	1020	1032	1027	1038	1026	**1023**
18 D	1026	974	976	1039	1001	989	999	986	974	968	963	983	992	981	1001	1001	1013	1025	1044	1029	1022	1028	1020	1019	1001	1002
19	1000	1005	1012	1001	1004	1002	997	992	983	984	977	972	976	980	987	1003	1017	1030	1035	1033	1038	1018	1017	1015	1026	1004
20	1026	1012	1014	1006	1007	1013	1017	1011	1005	1000	992	983	982	979	996	1000	1013	1025	1041	1028	1018	1016	1023	1019	1025	1009
21	1025	1008	1011	1008	1008	1008	1008	1006	1000	993	991	984	987	993	997	1003	1013	1017	1027	1037	1017	1009	1012	1010	1018	1007
22 Q	1018	1004	1004	1005	1007	1004	1003	1001	993	988	979	973	975	983	985	993	1000	1013	1026	1025	1022	1016	1008	1013	1014	1002
23	1014	1019	1008	1007	1011	1012	1009	1003	995	993	988	988	994	999	1005	1008	1009	1020	1026	1029	1027	1016	1016	1013	1009	1009
24 Q	1009	1009	1008	1008	1012	1014	1015	1012	1004	997	984	982	988	1000	1007	1021	1022	1026	1028	1026	1018	1017	1013	1016	1014	1010
25	1014	1013	1017	1014	1021	1021	1019	1018	1022	1015	1002	989	993	993	1003	1013	1017	1019	1021	1025	1020	1018	1017	1016	1011	1013
26	1011	1011	1012	1015	1013	1017	1014	1011	1009	1006	1000	997	1002	995	994	1003	1016	1023	1030	1027	1023	1018	1018	1018	1018	1012
27	1018	1018	1017	1016	1014	1017	1008	1003	1003	1001	992	984	983	992	1002	1005	1023	1016	1013	1019	1023	1021	1019	1022	1017	1010
28	1016	1017	1017	1017	1018	1013	1008	1002	1001	998	999	992	995	997	1012	1020	1019	1025	1026	1024	1019	1018	1017	1019	1016	1012
29 D	1016	1016	1016	1017	1019	1020	1014	1006	997	988	982	981	990	1001	1018	997	1007	1031	1045	1026	1032	1026	1014	1026	1000	1012
30 D	1000	1007	1001	1013	1017	1022	1010	993	981	973	973	976	978	979	985	987	1016	1060	1042	1037	1021	1012	1008	1002	1004	1004
31	1004	1006	996	1002	999	1006	1002	994	983	973	970	977	982	987	997	1003	1009	1017	1018	1021	1022	1022	1023	1017	1010	**1001**
Mean	1018	1014	1014	1015	1015	1016	1014	1010	1005	1000	991	**988**	991	995	1002	1008	1014	1023	**1029**	1027	1024	1022	1020	1022	1018	1012

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

228. Eskdalemuir. (−Y.) 4,000 γ (·04 C.G.S. unit) + **May, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	673	669	665	665	664	661	659	655	654	653	655	661	672	684	688	683	684	679	677	675	670	671	670	668	667	669
2	667	667	666	665	665	662	659	655	653	652	663	672	684	690	693	692	688	685	681	676	672	671	669	668	668	**672**
3 D	668	667	669	669	666	656	650	644	643	650	655	662	674	687	692	696	693	696	695	672	655	667	667	640	623	667
4	623	646	655	643	650	652	656	650	651	656	657	668	680	688	686	682	687	684	682	678	673	659	655	654	640	664
5	640	650	664	675	661	655	653	655	655	654	660	667	676	682	688	682	674	676	677	668	675	663	667	666	665	666
6	665	665	665	666	664	662	659	657	652	651	656	664	675	680	679	679	675	673	674	672	667	665	658	660	661	666
7	661	662	669	656	653	652	650	650	654	657	663	672	680	686	684	684	685	689	687	682	677	671	663	660	664	669
8	664	658	662	667	658	654	654	653	655	660	665	671	681	684	687	684	680	677	679	674	671	672	666	671	652	668
9	652	654	653	654	656	656	660	662	656	655	656	665	673	676	673	677	680	676	676	674	672	669	668	666	665	665
10	665	662	661	661	660	660	661	660	655	656	655	660	669	673	671	676	672	669	669	668	665	661	668	667	666	664
11	666	666	665	663	661	658	654	650	653	659	667	671	679	681	676	678	677	681	677	673	669	671	671	671	668	668
12 Q	668	669	667	667	665	659	655	649	649	649	654	665	676	682	678	673	671	672	671	671	669	671	674	672	673	667
13 Q	673	671	671	666	658	656	644	642	645	648	655	669	682	688	687	678	671	671	675	676	671	671	671	670	666	667
14	666	668	666	661	659	655	654	650	649	649	656	677	691	697	697	687	673	667	666	666	668	670	672	672	668	668
15	668	667	667	666	666	650	648	646	646	652	656	667	676	677	682	679	679	676	673	667	665	666	667	666	665	665
16	665	668	669	664	659	654	650	648	647	645	653	661	672	681	686	685	681	676	676	674	672	674	677	675	669	667
17 D	669	665	676	653	641	635	630	631	635	644	654	665	677	683	698	714	692	713	655	665	674	656	639	645	612	662
18 D	612	653	661	638	644	644	637	636	639	648	653	666	681	676	683	680	679	680	668	669	668	665	660	648	650	659
19	650	656	652	644	658	652	650	643	640	641	651	661	672	682	683	682	680	674	676	674	675	666	664	661	650	662
20	650	662	663	661	660	650	643	634	635	644	647	655	666	673	683	689	692	690	678	675	669	667	659	658	634	662
21	634	629	636	644	653	650	650	647	644	643	651	658	664	671	674	678	684	682	682	665	664	661	665	662	665	659
22 Q	665	660	658	657	654	650	649	644	640	639	644	654	667	677	681	682	678	681	681	676	661	662	662	666	663	662
23	663	655	654	651	650	649	640	640	635	634	646	659	671	677	681	676	675	676	675	675	671	669	666	660	650	660
24 Q	656	656	650	649	648	645	643	644	645	653	661	674	679	682	681	681	680	681	680	677	671	671	667	666	666	664
25	666	660	661	657	653	642	638	639	643	646	654	671	681	685	687	682	681	673	672	676	673	671	671	670	666	665
26	666	665	662	665	661	654	650	650	649	650	656	662	676	677	677	672	671	673	675	668	667	667	668	669	668	665
27	668	666	660	657	649	640	644	644	641	637	646	658	672	684	687	682	681	675	672	676	674	671	670	664	663	663
28	663	666	660	659	659	654	654	650	643	637	646	657	673	676	677	676	673	671	671	673	668	666	669	671	665	663
29 D	665	664	664	661	655	651	648	642	641	644	651	671	696	710	718	701	708	709	687	660	665	640	664	676	660	670
30 D	661	635	635	631	626	631	630	625	629	641	651	672	688	698	699	700	690	673	675	667	637	652	650	661	667	**657**
31	667	668	666	661	658	651	642	640	638	635	645	663	682	689	693	688	682	674	667	666	666	666	657	652	654	663
Mean	659	660	661	658	656	652	649	646	**646**	648	654	665	677	683	**685**	684	681	680	676	672	668	666	665	664	659	665

Q denotes an " International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

229. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **May, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	952	950	951	951	952	953	952	952	953	950	936	934	930	932	937	941	942	943	945	945	945	945	945	945	945	945
2	945	945	945	945	945	945	944	943	945	943	947	945	939	935	940	945	950	954	956	955	954	952	951	951	951	947
3 D	951	952	951	952	952	952	951	949	946	942	938	935	929	933	939	942	946	946	953	959	964	957	954	945	938	947
4	938	939	939	941	945	948	946	946	941	939	937	934	934	934	939	943	946	948	951	952	954	956	953	951	942	944
5	942	937	930	930	939	947	950	949	946	940	937	935	935	940	946	948	951	955	959	963	959	952	952	952	950	946
6	949	950	950	950	950	951	951	950	949	947	944	937	933	940	945	948	952	955	956	956	956	955	954	950	949	949
7	949	949	947	948	951	952	952	953	952	947	941	940	939	942	944	943	945	949	954	955	961	960	959	958	953	950
8	953	947	949	947	949	950	947	945	938	937	942	939	939	940	941	943	950	955	956	956	956	955	955	948	938	947
9	938	941	944	946	948	949	949	951	950	945	944	943	942	944	947	951	953	955	955	956	956	955	953	952	952	949
10	952	952	952	952	951	951	949	949	947	946	945	944	943	949	952	952	952	953	953	954	955	953	951	951	951	**950**
11	951	950	949	949	949	950	947	946	942	937	936	938	940	942	942	944	945	945	951	953	954	953	951	950	949	946
12 Q	949	949	950	949	950	951	950	949	945	940	937	936	933	932	935	943	945	949	951	951	949	950	949	949	948	945
13 Q	948	948	947	947	948	948	947	947	946	946	944	938	934	937	943	947	946	945	948	951	952	951	949	949	949	946
14	948	947	947	948	948	948	947	947	944	938	934	926	925	929	936	943	950	953	952	950	949	947	946	947	948	944
15	948	948	948	948	948	949	948	947	940	935	932	931	932	936	941	945	947	950	952	952	951	950	948	948	948	945
16	948	947	948	948	951	951	949	949	947	947	947	944	944	943	943	944	945	950	952	952	951	950	947	947	948	948
17 D	948	948	943	939	943	945	944	943	940	939	932	932	933	932	936	944	961	971	1010	988	971	965	959	932	915	949
18 D	915	902	861	875	884	892	919	935	939	938	936	935	935	943	950	954	952	952	959	959	959	955	949	947	946	**932**
19	946	937	932	937	940	941	941	940	941	939	939	941	939	937	940	944	950	955	959	963	959	952	949	948	939	944
20	939	937	943	947	949	950	950	950	947	944	942	940	937	937	941	946	949	953	959	960	959	956	954	943	937	947
21	937	935	943	942	947	948	948	950	950	948	943	937	935	934	939	948	952	956	963	964	962	957	953	950	942	948
22 Q	942	943	946	948	951	952	952	951	948	943	940	936	932	935	939	943	947	951	955	956	959	955	953	951	950	947
23	950	944	946	947	947	947	947	947	946	940	939	935	932	939	947	946	950	952	955	955	958	955	952	951	951	947
24 Q	951	950	951	951	951	951	948	946	946	943	935	931	928	939	946	948	950	952	955	955	955	955	952	951	951	947
25	951	951	950	950	948	950	947	943	940	936	934	928	927	924	929	936	941	948	954	954	954	952	951	951	951	944
26	951	950	951	949	949	951	949	947	944	942	941	939	937	942	944	947	952	955	955	955	954	951	951	951	950	948
27	950	948	949	950	951	950	948	948	944	943	939	935	932	930	932	940	944	951	952	952	952	951	951	948	950	945
28	949	949	948	949	950	950	947	950	950	948	945	945	942	940	940	945	951	956	955	954	953	952	949	947	947	948
29 D	947	947	946	947	949	948	947	946	944	937	927	921	919	928	940	954	959	967	982	986	971	969	958	941	923	949
30 D	923	927	929	927	925	925	929	935	934	925	923	929	936	951	967	980	987	989	986	978	977	962	954	951	950	948
31	950	946	943	943	947	951	951	951	945	942	938	938	935	941	946	950	950	950	951	950	949	950	949	947	946	946
Mean.	945	944	943	944	945	947	947	947	945	941	939	936	**935**	937	942	947	950	954	**958**	958	957	954	952	948	945	946

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

230. Eskdalemuir. **May, 1923.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	West Component. Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Vertical Component. Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	Character Figures.§ ΣR^2	Character Figures.§ p	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	100γ^2			*a.*
1	20 27	1034	992	11 33	42	13 33 14 10	688	651	9 35	37	0 1	953	930	12 10	23	37	0·35	0	83·7
2	0 52	1030	985	10 52	45	14 25	697	650	8 18	47	17 40	957	935	12 40	22	47	0·45	0	83·7
3	22 46	1078	989	10 53	89	15 8	701	603	23 56	98	19 40	965	928	11 45	37	189	1·82	1	83·6
4	23 35	1040	989	9 18	51	16 24	696	604	0 1	92	20 38	957	933	12 40	24	116	1·12	1	83·5
5	19 52	1040	985	11 10	55	14 3	692	632	0 13	60	19 20	965	926	2 30	39	81	0·78	1	83·5
6	22 6	1030	990	11 10	40	12 46	682	648	8 40	34	20 15	956	933	11 30	23	33	0·32	0	83·6
7	23 11	1048	996	10 57	52	17 48	695	649	6 40	46	19 38	964	939	11 50	25	54	0·52	1	83·6
8	23 18	1054	976	12 36	78	12 44	692	639	1 6	53	20 8	957	936	8 42	21	93	0·90	1	83·7
9	18 13	1028	990	13 52	**38**	14 52	682	644	0 36	38	19 15	956	938	0 1	18	32	0·31	0	83·7
10	17 27	1032	992	13 33	40	14 56	677	652	9 33	**25**	20 11	956	941	11 40	15	25	0·24	0	83·6
11	19 41	1028	989	14 32	39	15 27	685	649	6 52	36	20 20	955	936	9 10	19	32	0·31	0	83·6
12	16 58	1030	988	11 11	42	12 56	683	647	8 50	36	17 50	952	931	12 45	21	35	0·34	0	83·7
13	18 28	1033	984	11 32	49	12 27	691	640	6 53	51	20 0	952	933	12 0	19	54	0·52	0	83·7
14	17 52	1034	972	9 53	62	13 30	701	642	7 21	59	17 20	954	922	11 35	32	83	0·80	0	83·7
15	18 14	1028	974	13 16	54	13 46	687	638	7 8	49	17 55	952	928	10 40	24	59	0·57	0	83·7
16	21 19	1038	989	10 45	49	14 16	690	644	8 40	46	17 32	952	943	13 51	**9**	46	0·44	0	83·7
17	18 12	**1102**	979	15 51	**123**	14 38	**730**	**598**	18 6	**132**	18 6	**1027**	915	24 0	112	451	4·34	2	83·8
18	18 16	1059	**938**	1 41	121	1 26	697	611	0 1	86	18 33	961	**848**	1 55	**113**	348	3·35	2	83·7
19	19 57	1056	964	10 42	92	13 23	689	630	8 7	59	19 5 19 30	963	930	2 19	33	130	1·25	1	83·7
20	18 21	1052	974	12 55	78	15 1	703	632	7 20	71	18 52	962	934	0 30	28	119	1·14	1	83·7
21	19 0	1054	980	12 6	74	16 8	689	622	1 0	67	18 50	966	932	12 45	34	111	1·07	1	83·7
22	18 13	1030	970	11 1	60	14 22	683	637	9 10	46	20 0	959	932	11 41	27	64	0·62	0	83·8
23	19 11	1032	984	10 11	48	13 50	682	634	9 10	48	20 42	959	931	11 48	28	54	0·52	0	83·7
24	17 53	1030	980	10 56	50	13 18	686	640	6 22	46	20 32	956	927	11 40	29	55	0·52	0	83·7
25	19 8	1030	983	13 10	47	12 36	692	635	6 16	57	18 0	955	923	12 40	32	65	0·62	0	83·7
26	17 50	1035	983	13 14	52	12 38	683	645	7 8	38	16 50	955	935	11 39	20	45	0·44	0	83·8
27	19 30	1028	979	11 43	49	13 51	698	635	8 56	63	18 42	955	928	12 48	27	71	0·68	0	83·8
28	17 26	1030	990	11 26	40	13 2	681	634	9 22	47	17 50	957	938	13 50	19	42	0·40	0	83·7
29	17 59	1075	978	10 30	97	14 28	726	607	21 3	119	18 28	993	918	12 0	75	292	2·81	1	83·7
30	17 2	1084	963	11 14	121	15 27	709	619	6 59	90	16 51	993	922	9 32	71	278	2·67	1	83·7
31	17 21	1027	963	9 20	64	13 46	693	631	8 48	62	17 52	952	934	12 10	18	83	0·79	0	83·7
Mean.	—	1043	980	—	63	—	693	634	—	59	—	962	928	—	33	104	—	0·45	83·7
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

§ For explanation *see* page 105. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

231. Eskdalemuir. (X.) **June, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1010	1007	1007	1011	1012	1013	1011	1006	996	987	982	978	983	990	1003	1005	1014	1022	1024	1028	1025	1025	1022	1017	1020	1008
2	1020	1029	1016	1019	1017	1012	1009	1011	1005	994	984	978	978	983	997	1010	1010	1018	1022	1019	1018	1018	1016	1012	1012	1008
3	1012	1016	1016	1013	1016	1018	1016	1012	1005	995	988	983	994	1007	1013	1020	1021	1020	1024	1032	1024	1032	1030	1035	1032	1015
4 D	1032	1021	1017	1020	1023	1014	1020	1016	987	991	981	983	989	992	1002	1015	999	1011	1016	1019	1028	1028	1032	1037	1026	1011
5	1027	1020	1024	1030	986	1004	1017	1001	1006	1004	1000	969	974	990	1002	1003	1011	1015	1021	1025	1022	1018	1016	1014	1013	1008
6	1013	1014	1013	1015	1018	1018	1016	1015	1008	998	989	991	994	994	1005	1007	1022	1034	1034	1037	1047	1019	1017	1016	1024	1014
7	1024	1027	1016	1012	1019	1018	1011	1005	1003	997	993	988	995	1000	1003	1020	1012	1019	1027	1022	1019	1016	1013	1016	1013	1011
8	1013	1017	1011	1014	1016	1013	1011	1009	1002	996	988	990	993	998	1000	1003	1017	1018	1019	1028	1036	1018	1016	1014	1013	1010
9 Q	1013	1011	1011	1012	1013	1015	1015	1010	1000	993	988	985	986	988	990	1000	1001	1011	1018	1021	1020	1019	1015	1014	1013	1006
10 Q	1014	1014	1017	1014	1014	1014	1009	1001	1000	999	996	990	989	986	991	1006	1013	1019	1022	1023	1023	1024	1020	1019	1020	1009
11	1020	1020	1024	1025	1027	1027	1023	1018	1006	992	987	989	990	1013	1026	1026	1025	1024	1026	1031	1026	1027	1021	1021	1018	1017
12	1019	1018	1019	1020	1022	1021	1016	1013	1007	1004	1005	1006	1004	1008	1010	1022	1018	1019	1025	1029	1036	1052	1063	1066	1050	1022
13 D	1050	1031	1035	962	1018	1022	1011	969	979	993	972	957	978	984	1000	1012	1005	1031	1025	1025	1029	1033	1015	1016	1009	1006
14 D	1010	1000	1004	1010	1020	1000	994	983	978	964	965	966	981	986	992	1005	1005	1014	1045	1040	1026	1028	1022	1013	1019	1002
15	1020	1016	1007	1000	1002	1003	992	997	992	985	983	972	986	993	1008	1014	1006	1007	1020	1025	1024	1025	1023	1017	1012	1005
16	1012	1013	1003	1002	1002	1009	1009	1007	1004	995	976	975	973	982	998	1000	1014	1019	1029	1026	1022	1020	1013	1012	1011	1005
17 Q	1012	1013	1012	1014	1013	1011	1012	1011	1010	1003	994	989	991	998	1006	1013	1014	1023	1025	1024	1021	1023	1022	1018	1018	1011
18 Q	1019	1015	1015	1019	1021	1022	1021	1014	1005	994	978	971	968	976	990	1002	1013	1023	1026	1028	1025	1025	1023	1022	1023	1009
19	1024	1019	1018	1020	1022	1025	1026	1023	1019	1018	1007	994	987	988	995	1013	1019	1022	1030	1029	1029	1031	1032	1031	1031	1018
20	1032	1031	1030	1021	1019	1026	1031	1024	1024	1013	1006	998	993	994	1005	1008	1008	1011	1029	1037	1038	1039	1025	1024	1033	1019
21 D	1034	1034	1034	1024	1047	1046	1038	1025	1022	1007	983	998	1008	994	1002	1009	1013	1034	1038	1045	1036	1031	1028	1033	1034	1023
22	1035	1021	1021	1022	1018	1018	1024	1023	1012	1007	1004	998	990	995	1002	1015	1018	1023	1029	1037	1032	1026	1022	1022	1023	1017
23	1023	1022	1018	1016	1017	1017	1017	1013	1008	1001	998	1000	1008	1016	1025	1026	1019	1024	1026	1035	1031	1028	1024	1024	1025	1018
24 Q	1026	1024	1019	1020	1024	1027	1025	1021	1011	1002	995	991	994	1004	1013	1026	1030	1029	1030	1029	1031	1028	1027	1024	1024	1019
25	1025	1026	1027	1028	1030	1030	1029	1025	1017	1013	1007	1000	999	1011	1021	1034	1036	1033	1036	1034	1031	1028	1027	1023	1022	1024
26	1023	1025	1024	1027	1029	1026	1019	1017	1018	1013	1001	992	994	1005	1022	1020	1022	1027	1034	1037	1042	1036	1033	1034	1031	1022
27	1032	1032	1036	1038	1038	1035	1027	1023	1021	1013	1010	993	988	1009	995	1004	1014	1038	1037	1032	1041	1035	1022	1019	1041	1022
28	1042	1020	1022	1028	1014	1029	1033	1025	1015	1007	993	977	978	990	996	1004	1012	1038	1044	1044	1039	1033	1026	1029	1028	1018
29	1029	1022	1020	1017	1021	1022	1022	1024	1021	1012	994	987	985	988	998	1009	1020	1029	1035	1036	1027	1028	1034	1034	1031	1017
30 D	1032	1036	1031	1033	1038	1042	1043	1036	1032	1015	1007	990	992	995	1016	1023	1047	1066	1019	1010	1020	1017	1018	1010	1012	1023
Mean†	1023	1020	1018	1018	1019	1020	1018	1014	1008	1001	992	**986**	989	995	1003	1012	1016	1024	1028	**1030**	1029	1026	1023	1022	1022	1014

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

232. Eskdalemuir. (—Y.) **June, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	654	655	657	657	655	650	643	636	633	630	644	661	676	682	686	685	683	677	664	663	666	667	666	663	662	661
2	662	665	665	661	648	638	636	632	628	631	641	659	677	683	685	687	682	677	675	672	668	666	662	661	661	661
3	661	660	660	657	658	648	646	646	647	649	654	664	676	686	689	693	685	677	675	678	678	679	674	667	653	667
4 D	653	651	654	655	659	666	673	673	665	656	657	667	683	689	690	693	682	681	677	675	675	669	662	665	659	670
5	659	657	663	675	690	696	670	640	637	636	651	661	671	684	692	689	679	678	675	671	665	662	662	662	662	668
6	662	658	656	656	653	645	638	635	633	639	657	663	676	678	687	695	702	698	684	680	651	661	666	662	665	664
7	665	654	654	664	661	653	648	645	641	640	651	663	676	686	688	685	681	678	675	669	666	666	662	665	662	664
8	662	661	658	657	651	646	643	636	634	631	639	652	668	679	680	677	678	674	669	666	664	664	665	664	663	659
9 Q	663	661	662	658	655	651	648	644	641	643	649	659	675	683	683	683	676	671	667	667	663	663	666	668	667	663
10 Q	667	667	668	657	656	650	641	640	640	644	651	666	682	689	687	686	677	669	663	663	666	666	668	667	666	664
11	666	665	663	660	654	649	642	635	633	634	646	667	682	687	684	682	676	668	665	669	670	672	671	665	665	663
12	665	662	661	659	656	655	645	642	643	649	662	672	683	687	685	686	677	668	666	668	676	684	690	688	660	668
13 D	660	635	611	650	618	623	628	607	626	657	660	669	685	698	707	711	680	686	686	676	666	654	643	651	649	658
14 D	649	656	663	665	651	644	647	631	630	626	641	659	671	679	679	682	690	689	673	671	672	669	659	645	652	660
15	652	677	659	656	662	646	637	628	621	624	635	646	661	673	683	686	684	677	676	661	664	663	661	654	657	658
16	658	658	662	674	661	650	638	636	632	633	639	650	666	676	690	694	693	680	678	670	665	664	662	656	656	662
17 Q	656	665	659	653	651	646	643	638	631	632	638	649	662	674	680	685	684	678	674	668	662	663	663	662	662	659
18 Q	662	659	656	657	652	646	639	638	634	635	645	655	663	673	683	684	678	675	671	670	667	665	664	666	662	660
19	662	660	659	655	650	644	638	627	637	637	643	658	674	685	686	692	689	679	678	672	668	664	663	660	657	662
20	657	657	659	651	654	642	637	634	632	635	641	658	669	673	685	686	690	680	682	681	677	672	650	655	660	661
21 D	660	659	652	678	663	645	646	650	645	652	658	666	675	679	680	681	668	678	676	677	671	668	661	660	653	664
22	653	646	653	652	650	651	642	632	630	630	635	649	657	665	670	674	674	671	667	668	670	669	666	665	663	**656**
23	664	663	660	658	656	653	644	643	643	645	651	656	670	675	679	677	673	671	672	672	669	669	669	669	669	663
24 Q	669	665	660	652	647	644	644	644	643	639	640	645	659	666	666	669	669	670	673	674	673	665	667	664	659	659
25	664	665	665	665	659	649	638	643	648	652	650	657	669	674	677	678	671	671	679	679	678	672	670	668	667	664
26	667	664	659	654	651	644	634	627	629	637	653	664	679	687	692	683	673	670	670	671	676	673	669	668	664	662
27	664	661	659	658	654	659	663	651	649	649	656	666	677	691	690	689	681	682	669	659	667	667	659	661	661	666
28	661	641	649	633	647	637	634	637	647	641	644	655	677	691	692	690	679	677	670	665	663	661	659	661	659	659
29	659	658	650	653	650	640	637	634	632	635	640	652	667	678	683	681	676	668	668	665	660	660	663	660	661	657
30 D	661	665	655	653	650	641	648	650	649	651	648	657	684	705	733	733	739	756	717	669	670	660	647	653	661	**675**
Mean†	660	660	658	658	655	649	644	640	**638**	639	646	658	672	681	686	**687**	683	680	675	670	668	666	663	662	661	663

† Mean of 27 days; 11th, 12th, 13th omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

233. Eskdalemuir. (Z.) **June, 1923.**

44,000 γ (·44 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	945	946	949	949	949	950	952	950	948	945	943	941	940	941	943	950	952	955	959	959	955	952	949	949	946	949
2	946	939	937	938	943	948	947	947	948	943	934	930	926	928	935	939	946	950	950	949	947	946	946	946	946	942
3	946	946	946	946	948	947	946	946	946	944	942	936	930	931	937	943	947	952	952	950	949	945	944	944	940	944
4 D	940	942	944	945	945	944	937	934	937	930	926	931	932	933	935	939	949	953	953	953	950	950	949	944	942	941
5	942	943	944	942	934	906	907	926	935	935	935	936	939	941	942	946	950	953	954	956	956	954	951	950	950	**941**
6	950	949	950	950	950	950	950	949	946	940	933	930	926	932	941	947	953	959	961	959	957	951	948	947	944	947
7	944	940	941	941	944	944	945	945	946	945	939	931	932	937	941	949	954	954	955	960	958	955	953	952	951	946
8	951	946	946	946	949	953	952	952	953	951	948	945	937	938	941	945	946	951	955	957	955	953	950	949	949	949
9 Q	949	949	948	948	950	949	948	952	954	953	944	935	934	939	942	943	947	952	953	953	952	950	950	949	949	948
10 Q	949	948	946	947	949	951	953	952	950	944	941	942	938	940	939	942	946	949	952	951	950	949	949	949	949	947
11	949	949	949	949	951	952	952	953	952	947	*	—	—	—	—	—	—	—	—	—	—	—	—	—	*	—
12	*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	*	—
13 D	*	—	—	—	—	—	—	—	—	—	—	*	933	937	944	957	981	986	979	978	972	961	953	942	941	—
14 D	941	938	918	922	929	935	941	947	949	947	941	940	941	942	952	963	965	970	976	973	971	963	930	937	940	947
15	940	933	934	942	943	948	955	957	956	950	946	944	946	952	956	960	959	959	959	961	958	955	955	954	955	951
16	955	954	950	940	939	947	952	954	955	953	950	945	943	944	944	950	954	959	962	964	963	960	956	955	954	952
17 Q	954	951	948	952	955	955	955	955	954	955	952	944	945	948	944	947	955	960	961	962	961	958	955	954	953	953
18 Q	953	953	953	954	957	957	957	957	955	954	948	941	939	940	942	949	955	959	960	959	957	954	952	953	951	952
19	951	952	954	955	957	955	953	955	955	948	942	940	943	944	946	948	948	955	956	956	955	953	953	953	952	951
20	952	950	946	949	951	951	950	953	950	946	939	939	941	940	941	949	954	956	956	961	963	960	962	953	945	950
21 D	945	946	948	945	930	934	936	941	944	945	948	946	947	952	957	958	967	966	964	961	961	961	963	960	949	951
22	949	949	950	954	956	957	954	957	959	958	953	949	945	948	955	954	957	962	963	961	961	959	957	955	955	955
23	955	954	955	957	957	957	956	952	951	946	946	945	950	953	955	953	956	957	959	962	963	961	959	957	955	955
24 Q	955	949	950	952	955	956	956	952	953	953	949	946	946	950	952	952	953	954	954	953	955	957	957	957	956	953
25	956	956	956	956	955	955	954	951	949	947	949	952	953	952	955	956	960	960	958	957	959	961	961	961	961	955
26	961	961	961	961	960	959	959	956	952	946	946	945	943	943	945	943	950	957	957	957	957	957	957	957	957	954
27	957	957	957	957	958	957	950	948	946	944	940	942	945	953	957	961	965	961	964	970	965	964	965	963	953	956
28	953	953	953	950	948	942	944	944	944	943	941	942	946	947	946	953	961	964	966	968	967	964	961	959	957	953
29	957	958	957	958	959	962	962	962	961	961	959	958	956	956	955	961	966	968	967	966	967	964	961	961	960	961
30 D	960	957	957	958	958	958	956	957	959	962	957	952	948	953	966	996	1030	1050	1064	1040	1010	991	976	969	968	**979**
Mean†	950	949	948	949	949	949	949	950	950	948	944	942	**941**	944	947	952	957	961	**963**	962	960	957	954	953	951	951

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

234. Eskdalemuir. **June, 1923.**

Day.	Terrestrial Magnetic Force.																Character Figures.§		Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	North Component.					West Component.					Vertical Component.									
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Maximum 44,000 γ +		Minimum 44,000 γ +		Range.				
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	ΣR^1.	ρ		
1	18 24	1041	974	11 0	67	14 13	690	629	9 6	61	18 15	961	939	11 58	22	87	0·67	0	83·7
2	0 43	1036	973	11 26	63	15 17	694	626	8 9	68	18 10	952	924	12 20	28	94	0·73	0	83·7
3	19 12	1050	981	10 54	69	15 13	699	640	5 39	59	17 3	953	929	12 20	24	88	0·68	0	83·7
4	22 46	1051	971	10 21	80	15 0	699	645	9 26	54	17 15	953	925	10 3	28	101	0·78	1	83·7
5	3 6	1036	955	11 30	81	4 34	709	624	7 18	85	18 47	957	**901**	5 8	56	169	1·31	1	83·7
6	20 9	1059	984	14 55	75	15 31	715	629	7 28	86	17 25	963	926	11 58	37	144	1·12	1	83·7
7	0 58	1036	984	11 14	52	14 19	692	637	8 51	55	19 15	961	930	11 20	31	67	0·52	0	83·8
8	19 47	1054	987	9 58	67	13 8	683	629	8 50	54	19 20	959	937	12 30	22	79	0·61	0	83·8
9	19 39	1023	983	12 10	**40**	14 58	686	639	7 45	47	8 14	955	932	11 25	23	43	0·34	0	83·9
10	19 34	1027	984	12 50	43	12 30	690	639	6 50	51	5 50	953	937	12 10	16	47	0·36	0	83·9
11	18 59	1039	980	11 25	59	13 45	689	628	8 14	61	—	—	—	—	—	—	—	0	83·9
12	23 29	1077	1000	12 26	77	23 32	700	640	7 15	60	—	—	—	—	—	—	—	1	83·9
13	21 1	1059	**932**	2 55	127	14 35	732	**573**	2 20	159	17 0	989	933	12 11	56	445	3·45	2	83·9
14	18 16	1091	951	11 21	140	21 34	707	618	22 24	89	18 4	980	914	2 5	66	319	2·47	1	84·1
15	19 4	1040	956	11 25	84	1 0	699	617	8 16	82	18 50	963	928	1 23	35	150	1·16	1	84·0
16	18 20	1032	966	11 52	66	14 40	700	631	8 19	69	18 45	965	937	3 40	28	99	0·77	0	84·1
17	17 30	1031	988	10 55	43	15 36	687	629	8 10	58	19 50	962	942	11 25	20	56	0·44	0	84·1
18	23 40	1029	965	12 5	64	14 35	685	630	8 26	55	17 45	961	937	11 40	24	77	0·60	0	84·1
19	22 50	1035	981	13 0	54	15 20	695	624	7 15	71	19 10	957	938	10 52	19	83	0·64	0	84·2
20	20 44	1049	989	11 43	60	15 45	691	630	8 10	61	19 22	963	937	10 15	26	80	0·62	0	84·2
21	5 22	1057	968	10 3	89	3 18	705	635	5 14	70	16 9	968	929	3 45	39	143	1·11	1	84·2
22	19 21	1043	986	12 14	57	15 22	678	624	7 25	54	17 30	964	944	12 25	20	66	0·51	0	84·3
23	14 58	1039	994	10 23	45	14 57	683	641	7 57	42	19 47	964	943	10 40	21	42	0·33	0	84·3
24	15 45	1036	990	10 50	46	19 50	675	637	9 30	**38**	22 20	958	945	11 35	**13**	37	0·29	0	84·3
25	15 23	1040	995	11 15	45	19 0	680	637	6 0	43	16 35	961	946	9 20	15	41	0·32	0	84·3
26	19 30	1045	990	11 2	55	14 5	694	621	7 41	73	3 40	961	941	15 3	20	88	0·68	0	84·3
27	23 54	1050	977	12 14	73	13 26	697	645	8 30	52	18 50	971	939	10 10	32	91	0·70	0	84·5
28	0 1	1048	969	11 50	79	13 0	695	627	3 0	68	19 10	969	939	10 25	30	118	0·91	1	84·5
29	22 0	1041	984	11 58	57	15 14	685	631	7 40	54	17 25	969	954	13 47	15	64	0·50	0	84·7
30	17 28	**1119**	964	18 3	**155**	17 30	**791**	624	9 3	**167**	18 1	**1079**	947	11 43	**132**	693	5·38	2	84·7
Mean.	—	1047	977	—	70	—	697	629	—	68	—	967	935	—	32	129	—	0·40	84·1
No. of days used.	—	30	30	—	30	—	30	30	—	30	—	28	28	—	28	28	—	30	30

* No trace. † Mean of 27 days: 11th, 12th, 13th omitted.

§ For explanation *see* page 105. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

235. Eskdalemuir. (X.) **July, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1012	1018	1012	1014	1016	1014	1008	1009	1001	1006	1001	996	993	988	999	1009	1016	1023	1029	1031	1031	1029	1031	1025	1020	**1013**
2	1021	1016	1013	1016	996	1011	1026	1022	1017	1007	1005	1004	998	997	1008	1020	1023	1058	1041	1041	1026	1020	1023	1026	1021	1018
3	1022	1021	1021	1022	1022	1021	1027	1026	1019	1013	1009	1004	1003	1008	1012	1017	1027	1024	1028	1033	1031	1027	1027	1025	1024	1020
4	1025	1026	1026	1028	1026	1025	1024	1022	1018	1009	1000	998	1003	999	1001	1005	1011	1023	1032	1033	1033	1028	1023	1023	1023	1018
5 Q	1024	1020	1021	1024	1024	1025	1019	1019	1014	1009	1000	996	1002	1000	1004	1005	1013	1023	1026	1035	1035	1030	1031	1034	1034	1018
6	1035	1035	1032	1030	1030	1034	1030	1026	1022	1013	1006	1007	1010	1011	1012	1015	1020	1029	1046	1051	1054	1046	1046	1045	1036	1029
7 D	1037	1020	1018	1026	1016	1015	1024	1017	1007	999	1003	1000	1005	1008	1006	1006	1012	1018	1027	1036	1035	1031	1026	1026	1024	1017
8	1024	1021	1021	1021	1012	1023	1025	1024	1026	1018	1012	1007	1008	1009	1010	1024	1016	1016	1039	1042	1037	1032	1031	1027	1026	1022
9	1027	1023	1023	1024	1026	1027	1024	1021	1025	1021	1006	998	990	991	1003	1007	1013	1030	1033	1043	1042	1046	1038	1037	1035	1022
10 D	1036	1039	1019	1038	1038	1033	1028	1023	1018	1009	1004	994	976	1010	1010	1028	1037	1033	1068	1043	1042	1029	1033	1039	1020	1026
11 D	1021	1021	1022	1006	1014	1015	1011	1007	1009	1006	1005	1005	977	999	1006	1024	1024	1028	1045	1059	1039	1038	1043	1029	1028	1019
12	1029	1032	1023	1025	1029	1024	1020	1018	1012	1009	1005	1008	1012	1029	1035	1019	1026	1022	1025	1031	1034	1031	1027	1026	1027	1023
13	1027	1025	1025	1025	1025	1021	1021	1019	1016	1016	1015	1014	1012	1011	1016	1025	1022	1025	1030	1036	1035	1036	1032	1029	1025	1023
14 Q	1026	1026	1026	1026	1027	1027	1026	1021	1015	1008	1011	1012	1012	1016	1016	1021	1024	1030	1032	1033	1036	1032	1032	1031	1031	1024
15 Q	1031	1031	1031	1031	1027	1027	1024	1020	1017	1011	1004	1005	1005	1007	1017	1020	1021	1026	1036	1042	1047	1037	1032	1031	1031	1024
16	1032	1032	1031	1032	1032	1033	1032	1029	1025	1018	1013	1008	1005	1014	1019	1021	1027	1033	1041	1038	1041	1038	1043	1033	1032	1028
17	1032	1032	1031	1032	1032	1032	1032	1033	1036	1032	1021	1018	1012	1005	1013	1022	1027	1041	1048	1048	1046	1038	1032	1036	1035	1031
18 D	1036	1036	1040	1035	1037	1043	1043	1033	1028	1024	1028	1021	1008	1006	1019	1014	1029	1038	1057	1054	1047	1049	1038	1045	1046	**1034**
19	1046	1044	1039	1029	1028	1024	1033	1033	1018	1005	995	989	989	999	1006	1013	1015	1033	1039	1040	1042	1035	1036	1037	1038	1023
20	1039	1035	1029	1022	1030	1035	1029	1021	1020	1011	1005	999	1004	1009	1010	1013	1023	1029	1035	1040	1039	1035	1034	1034	1033	1024
21 Q	1033	1033	1030	1030	1031	1030	1030	1029	1021	1011	1005	995	996	1006	1012	1021	1025	1032	1034	1036	1035	1034	1034	1033	1030	1024
22	1031	1031	1031	1033	1035	1038	1034	1029	1021	1011	1006	1002	1004	1014	1020	1032	1040	1040	1040	1040	1040	1041	1051	1047	1069	1030
23 D	1069	1054	1045	1043	1036	1035	1041	1017	1006	1002	991	991	993	1007	1019	1022	1035	1040	1037	1040	1035	1025	1025	1025	1025	1025
24 Q	1026	1026	1024	1024	1025	1026	1022	1018	1017	1013	1006	1002	1006	1017	1022	1022	1018	1022	1027	1031	1031	1031	1030	1031	1031	1022
25	1031	1031	1030	1026	1031	1031	1031	1026	1022	1012	1007	1003	1011	1017	1025	1033	1038	1038	1037	1031	1026	1027	1031	1035	1033	1026
26	1033	1032	1032	1032	1032	1031	1031	1029	1027	1022	1016	1013	1021	1028	1029	1040	1041	1036	1031	1036	1039	1038	1037	1034	1038	1031
27	1039	1037	1028	1032	1033	1043	1042	1036	1029	1026	1019	1015	1018	1014	1022	1008	1023	1033	1038	1037	1034	1038	1038	1048	1033	1030
28	1033	1027	1034	1032	1033	1033	1032	1027	1022	1016	1016	1014	1017	1022	1029	1032	1027	1019	1035	1038	1041	1037	1035	1037	1038	1029
29	1038	1042	1041	1038	1038	1039	1033	1032	1027	1017	1007	1003	1010	1022	1034	1030	1024	1022	1029	1037	1042	1039	1037	1037	1033	1030
30	1034	1034	1033	1033	1038	1037	1031	1023	1014	1010	1009	1007	1006	1018	1025	1029	1033	1035	1038	1039	1040	1039	1038	1038	1038	1028
31	1038	1034	1033	1038	1038	1036	1032	1024	1018	1015	1010	1003	1004	1008	1014	1023	1018	1024	1033	1042	1043	1042	1042	1044	1042	1027
Mean	1032	1030	1028	1028	1028	1029	1028	1024	1019	1013	1008	1004	**1004**	1009	1015	1020	1024	1030	1037	**1039**	1038	1035	1034	1034	1032	1024

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

236. Eskdalemuir. (−Y.) **July, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	2.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	661	669	664	664	647	642	648	646	651	638	637	643	657	670	679	676	674	674	674	670	667	662	654	653	653	659
2	653	653	656	653	663	657	648	637	634	636	648	663	677	679	688	693	686	674	685	674	668	668	668	663	660	664
3	660	663	661	656	654	658	647	649	651	652	657	658	673	679	679	678	669	664	664	663	663	663	660	658	657	662
4	657	656	653	653	649	648	644	645	641	637	637	646	664	669	670	673	673	673	674	665	662	660	660	658	658	657
5 Q	658	653	653	655	653	649	648	649	652	652	650	657	668	676	680	679	675	669	662	660	661	663	663	663	662	660
6	662	658	657	655	653	646	637	635	631	632	644	657	669	683	685	685	685	681	681	676	663	670	669	668	669	662
7 D	670	665	655	655	658	659	638	633	641	639	643	653	665	678	680	680	680	675	675	675	675	661	655	657	657	661
8	657	657	658	654	663	648	638	632	629	633	645	653	662	666	669	671	667	665	671	672	670	664	663	659	659	657
9	659	654	653	654	652	644	641	643	644	642	646	655	659	661	669	672	670	670	669	674	671	673	659	659	659	658
10 D	659	669	697	648	638	631	633	630	632	643	647	665	687	702	707	699	690	684	702	664	659	659	670	649	645	**665**
11 D	645	658	643	642	660	648	638	639	638	641	648	654	659	671	677	682	680	675	674	671	663	658	659	655	659	658
12	659	679	648	643	645	640	640	633	628	627	637	654	670	680	681	666	668	667	670	670	669	660	659	659	658	656
13	658	659	658	654	648	645	645	646	644	644	648	656	665	674	679	671	667	664	659	659	659	664	660	651	652	657
14 Q	652	650	650	648	648	643	638	636	632	637	644	649	664	675	679	675	669	665	665	668	667	664	660	658	654	656
15 Q	654	654	653	654	649	645	640	643	639	638	644	655	670	680	686	681	675	670	670	670	665	664	659	658	654	659
16	654	654	648	643	642	633	638	638	637	637	638	644	659	665	674	673	671	667	669	670	669	664	658	647	653	654
17	653	654	653	654	654	653	650	653	653	656	655	663	671	672	678	683	677	679	680	675	670	666	643	643	648	662
18 D	648	643	638	638	644	641	637	635	631	633	644	661	674	679	691	690	690	669	675	671	664	670	665	658	643	658
19	644	645	645	650	660	671	660	649	644	646	651	660	668	671	672	675	671	671	671	666	666	663	658	649	656	660
20	656	655	646	660	658	654	645	643	639	639	649	659	666	676	685	688	680	671	670	667	665	663	660	658	656	661
21 Q	656	655	656	655	653	645	639	629	628	632	639	649	661	667	670	665	660	660	660	665	664	660	660	660	659	654
22	659	658	655	654	650	648	641	637	631	628	634	647	660	675	676	681	676	670	671	671	669	670	672	671	673	659
23 D	673	639	612	595	618	660	633	632	627	624	632	646	667	685	693	681	670	674	670	670	659	662	662	659	655	**651**
24 Q	655	662	655	651	646	642	634	633	635	639	641	651	669	670	664	656	655	655	656	659	655	659	659	655	655	652
25	655	655	649	649	646	645	644	640	638	640	644	649	665	677	680	676	672	665	660	659	657	656	658	659	656	656
26	656	654	655	654	650	644	644	639	636	634	642	657	670	672	674	676	673	665	656	659	659	660	662	657	658	656
27	658	647	642	639	641	646	633	635	638	640	655	669	681	688	692	687	681	672	665	659	659	659	657	639	639	657
28	639	641	652	650	650	643	642	640	640	644	647	655	666	676	681	676	668	659	663	661	655	655	656	659	660	656
29	661	660	661	651	646	644	642	639	639	640	652	666	682	686	692	687	682	672	669	667	666	663	659	654	656	662
30	656	655	652	651	650	644	639	630	626	634	645	655	667	677	675	670	667	666	665	665	661	661	661	661	660	656
31	660	656	656	660	652	645	642	639	640	646	655	665	676	683	682	677	672	667	660	661	661	661	663	660	651	660
Mean	656	656	653	650	650	647	641	639	**638**	639	645	655	668	676	**680**	678	674	669	670	667	664	663	660	657	656	658

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

237. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit.)+ **July, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	968	961	961	962	968	972	970	968	967	965	965	966	970	973	970	972	974	976	976	976	976	975	970	969	968	970
2	968	968	964	957	956	952	950	953	956	960	965	965	965	966	970	974	981	994	997	1000	999	991	981	974	973	971
3	973	973	970	972	974	973	974	975	973	972	965	961	961	961	965	968	973	976	977	973	972	973	972	971	970	971
4	970	970	972	972	974	975	973	973	973	972	968	966	965	965	965	968	969	970	970	975	977	976	974	973	972	971
5 Q	972	972	973	973	973	976	975	972	969	961	957	954	958	966	968	965	969	976	980	980	977	977	975	973	973	971
6	973	972	972	973	976	977	977	977	977	976	973	969	966	966	966	968	970	977	980	984	986	980	977	973	968	974
7 D	968	950	927	930	933	937	953	964	965	968	966	965	964	962	965	966	969	972	976	981	981	983	982	977	976	963
8	976	975	973	974	973	972	973	977	979	977	976	974	969	966	968	970	976	976	981	981	979	977	977	977	977	975
9	977	977	977	977	977	978	977	976	973	973	969	965	958	961	964	966	970	973	976	976	977	977	980	977	976	973
10 D	976	970	947	949	966	972	973	972	972	971	957	957	952	960	969	970	972	974	980	995	994	987	972	959	957	969
11 D	957	958	966	965	954	952	967	972	971	976	973	969	973	976	977	977	981	985	988	985	984	984	977	969	973	973
12	973	956	961	969	973	976	977	981	981	977	973	973	973	976	980	981	984	985	982	981	981	981	981	980	979	977
13	979	977	976	977	978	980	980	983	977	973	977	978	981	984	979	977	981	981	983	982	981	981	981	981	980	979
14 Q	980	981	981	981	981	981	981	980	981	977	969	964	963	969	973	976	977	980	977	977	976	977	977	977	979	977
15 Q	979	980	980	978	980	980	981	980	977	977	972	969	968	968	972	975	977	980	981	982	982	980	980	979	979	977
16	979	979	978	980	980	980	979	979	980	977	974	971	970	973	973	973	975	974	976	977	980	978	976	976	977	977
17	977	977	977	977	977	977	975	973	970	968	968	966	966	968	970	973	973	974	980	985	988	988	988	984	977	976
18 D	977	977	976	977	980	980	977	974	973	971	966	963	965	970	971	973	977	988	992	992	992	985	981	978	977	977
19	977	974	976	976	974	972	970	974	974	973	974	973	972	976	977	982	988	992	988	985	985	985	983	981	977	978
20	977	970	973	973	974	977	980	980	980	978	972	968	965	969	976	980	983	986	988	987	985	985	983	981	981	978
21 Q	981	981	981	982	984	987	985	984	984	981	977	976	970	972	977	977	979	984	983	984	984	981	981	981	981	981
22	980	979	980	980	980	981	983	986	980	975	972	971	969	968	973	972	976	984	984	983	980	980	979	979	964	978
23 D	964	960	956	956	957	938	938	952	960	964	967	971	971	969	972	978	987	988	989	987	988	987	984	984	984	970
24 Q	984	980	979	979	980	984	987	988	988	984	984	984	979	976	980	984	987	987	984	984	984	984	984	984	984	983
25	983	983	983	982	980	981	979	979	977	978	972	970	968	967	970	974	976	978	983	983	983	982	982	981	982	978
26	982	982	982	982	983	983	984	985	983	979	979	981	977	979	981	980	986	990	990	986	983	983	983	983	983	983
27	983	983	982	982	983	975	974	976	975	978	975	979	975	972	978	983	986	986	986	989	987	986	984	980	977	981
28	977	974	974	976	979	982	982	983	983	983	978	978	976	978	979	979	986	990	986	984	986	986	984	983	983	981
29	983	980	978	979	979	982	982	982	979	975	968	965	971	973	978	984	988	993	989	986	986	985	985	983	983	981
30	983	983	984	986	986	986	985	983	979	977	973	971	963	963	963	971	975	982	983	983	983	983	982	982	982	979
31	982	983	983	983	983	985	983	983	978	971	971	971	965	961	967	975	983	986	986	986	986	983	983	979	981	979
Mean.	976	974	972	973	974	974	975	976	975	974	971	969	968	969	972	975	978	982	983	984	983	982	980	978	977	976

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

238. Eskdalemuir. **July, 1923.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	West Component. Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Vertical Component. Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	Character Figures.§ ΣR^2	ρ	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	100γ²			a.
1	21 50	1040	981	13 1	59	14 0	681	636	10 9	45	17 3	976	957	1 21	19	59	0·70	0	84·7
2	16 58	1075	985	3 50	90	17 35	696	631	8 18	65	18 30	**1000**	949	6 21	51	149	1·77	1	84·7
3	16 12	1042	999	11 34	43	13 19	680	642	6 36	**38**	18 0	977	960	12 0	17	36	0·42	0	84·9
4	19 25	1038	994	13 12	44	18 0	674	636	9 31	**38**	20 0	977	963	11 40	14	36	0·42	0	85·3
5	18 53	1043	995	10 50	48	14 18	683	644	5 22	39	18 32	981	953	11 10	28	46	0·55	0	85·3
6	22 35	1067	998	12 36	69	14 33	694	630	8 15	64	19 40	988	964	11 50	24	94	1·12	1	85·3
7	19 13	1043	993	9 0	50	15 51	683	629	6 58	54	21 30	984	**926**	2 3	58	88	1·04	1	85·5
8	19 14	1046	999	16 6	47	17 38	677	628	7 50	49	18 0	981	966	13 20	15	48	0·57	0	85·5
9	20 40	1052	988	12 40	64	20 40	679	638	6 9	41	22 34	981	957	12 2	24	64	0·75	0	85·5
10	17 47	1081	**946**	11 43	**135**	13 42	**728**	627	7 5	101	20 10	997	937	2 20	60	320	3·79	1	85·5
11	18 58	1083	959	12 8	124	15 9	691	622	1 10	69	18 30	989	945	4 36	44	221	2·61	1	85·7
12	14 15	1046	1001	10 24	45	0 38	696	623	8 11	73	16 30	985	953	1 11	32	84	0·99	0	85·7
13	19 12	1044	1006	13 0	38	14 11	680	638	6 19	42	12 58	985	973	8 40	**12**	34	0·40	0	85·7
14	18 25	1036	1007	9 52	**29**	13 50	680	631	8 1	49	4 10	982	961	11 26	21	37	0·44	0	85·8
15	20 5	1055	1002	10 25	53	14 32	690	636	5 53	54	19 0	983	966	11 35	17	60	0·71	0	85·9
16	18 45	1052	1001	12 13	51	14 19	675	632	6 ·2	43	20 40	981	969	12 0	**12**	46	0·54	0	85·9
17	19 20	1056	1003	12 58	53	15 2	685	637	21 52	48	21 50	991	964	11 38	27	58	0·69	0	85·9
18	18 9	1072	989	12 54	83	14 32	708	627	2 16	81	19 25	995	961	11 30	34	146	1·73	1	85·9
19	0 50	1053	989	11 33	64	15 29	681	638	2 30	43	16 54	992	969	11 58	23	65	0·77	0	85·9
20	18 54	1044	991	10 38	53	14 59	691	638	8 0	53	17 40	990	964	11 40	26	63	0·75	0	86·1
21	19 29	1039	994	11 19	45	14 10	671	627	7 50	44	5 30	987	969	12 30	18	43	0·51	0	86·1
22	23 59	**1087**	1001	11 11	86	23 43	695	628	8 23	67	7 10	987	962	24 0	25	125	1·48	1	86·1
23	0 7	**1087**	986	12 0	101	13 50	697	**580**	2 51	**117**	17 30	991	933	5 32	**58**	273	3·23	1	86·1
24	20 58	1039	999	11 11	40	12 32	671	630	6 20	41	8 12	990	975	12 42	15	35	0·42	0	86·3
25	16 3	1041	1002	10 50	39	13 40	683	637	7 59	46	19 0	983	966	13 10	17	39	0·47	0	86·3
26	21 45	1046	1011	11 0	35	14 55	677	633	8 52	44	18 0	990	975	12 20	15	34	0·40	0	86·3
27	22 56	1058	998	14 36	60	13 52	699	628	5 53	71	19 12	989	971	12 32	18	90	1·06	1	86·5
28	19 51	1047	1012	11 2	35	15 1	682	637	6 33	45	17 20	990	973	1 0	17	35	0·42	0	86·5
29	1 15	1046	998	11 23	48	14 20	692	634	6 48	58	17 0	994	963	10 58	31	66	0·79	0	86·5
30	19 33	1047	1003	10 40	44	13 21	681	623	7 30	58	4 30 18 30	986	962	12 15	24	59	0·70	0	86·5
31	19 40	1052	999	11 47	53	13 22	685	631	7 10	54	17 41	987	959	12 55	28	65	0·77	0	86·5
Mean.	—	1053	994	—	59	—	687	631	—	56	—	987	960	—	27	84	—	0·29	85·8
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

§ For explanation *see* page 105. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

239. Eskdalemuir. (X.) **August, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	1041	1035	1036	1035	1036	1041	1040	1034	1026	1015	1008	1002	1002	1007	1015	1023	1033	1038	1037	1042	1044	1039	1033	1028	1027	1028
2	1027	1026	1033	1037	1033	1034	1032	1028	1023	1016	1004	995	992	1000	1018	1031	1034	1037	1043	1053	1048	1039	1034	1036	1036	1027
3 D	1036	1052	1048	1052	1042	1041	1042	1032	1035	1037	989	964	1004	994	1018	1019	1019	1032	1038	1044	1047	1036	1047	1032	1028	1029
4 D	1028	1027	1028	1023	1019	1057	1027	998	994	995	1006	1005	1003	999	1003	1011	1022	1025	1042	1032	1029	1033	1032	1029	1028	1019
5	1028	1032	1026	1024	1024	1024	1024	1023	1019	1013	1008	1004	999	1004	1021	1029	1031	1024	1024	1033	1028	1031	1032	1029	1036	1022
6 D	1036	1028	1028	1025	1033	1033	1028	1028	1023	1027	1021	1007	1008	1017	1019	1032	1015	1027	1027	1033	1033	1033	1032	1024	1027	1026
7	1028	1028	1029	1029	1030	1032	1027	1019	1014	1006	1000	1000	1005	1008	1010	1014	1013	1020	1030	1040	1042	1031	1033	1029	1030	1022
8	1030	1029	1028	1025	1024	1027	1025	1020	1015	1005	1000	1004	1005	1014	1024	1029	1028	1028	1033	1035	1035	1036	1033	1033	1032	1024
9	1032	1029	1028	1029	1029	1033	1029	1027	1016	1005	999	1004	1006	1012	1012	1029	1028	1029	1035	1037	1034	1034	1034	1034	1035	1024
10	1035	1029	1030	1029	1034	1031	1025	1023	1019	1011	1004	1005	1014	1011	1014	1028	1031	1034	1040	1037	1034	1034	1033	1030	1028	1025
11	1028	1026	1025	1027	1028	1028	1024	1020	1013	1006	1005	1004	1006	1012	1014	1020	1024	1028	1030	1038	1039	1034	1033	1030	1030	1023
12	1030	1030	1030	1030	1029	1029	1028	1022	1007	994	991	990	1000	1005	1009	1014	1023	1025	1029	1035	1034	1038	1044	1043	1034	1021
13 D	1034	1033	1033	1038	1043	1038	1035	1023	1010	1000	993	1000	1016	1026	1033	1034	1043	1040	1044	1044	1062	1034	1038	1033	1030	**1030**
14	1030	1029	1034	1035	1024	1026	1038	1024	1021	1009	999	999	999	996	1008	1029	1029	1041	1043	1034	1030	1028	1031	1030	1039	1024
15	1039	1031	1022	1023	1020	1023	1028	1019	1011	1000	995	996	997	1005	1018	1010	1015	1024	1019	1024	1032	1029	1025	1024	1024	1018
16	1024	1023	1023	1022	1021	1023	1019	1013	1003	994	991	992	1003	1006	1016	1017	1024	1031	1032	1037	1039	1035	1029	1033	1039	1019
17	1039	1029	1025	1034	1024	1025	1025	1019	1009	996	990	989	993	1001	1014	1024	1030	1030	1030	1029	1028	1024	1024	1024	1024	1019
18 Q	1024	1022	1023	1024	1024	1025	1024	1020	1015	1006	996	994	994	1000	1010	1023	1029	1030	1034	1033	1033	1033	1033	1033	1033	1020
19	1033	1030	1030	1029	1029	1029	1029	1024	1018	1008	1000	1004	1009	1018	1020	1023	1029	1029	1025	1031	1035	1037	1034	1043	1043	1025
20	1043	1039	1029	1035	1038	1028	1029	1027	1023	1014	1005	1001	1009	1009	1012	1019	1020	1024	1026	1029	1028	1027	1025	1025	1023	1023
21 Q	1023	1022	1022	1022	1020	1020	1023	1022	1019	1014	1008	1001	1009	1015	1017	1020	1025	1029	1027	1028	1033	1030	1028	1030	1034	1021
22	1034	1023	1024	1023	1024	1025	1025	1020	1017	1009	1006	1009	1011	1019	1018	1024	1031	1037	1034	1036	1030	1029	1033	1052	1028	1025
23	1028	1019	1023	1023	1023	1024	1024	1020	1010	1003	995	992	993	1001	1007	1013	1015	1020	1024	1029	1032	1030	1029	1029	1030	1017
24 D	1030	1029	1029	1033	1033	1034	1033	1028	1019	1005	985	976	986	996	1001	1001	1013	1020	1024	1029	1030	1029	1032	1034	1033	1018
25	1033	1029	1029	1029	1025	1029	1023	1020	1014	1006	999	1005	1010	1010	1010	1021	1019	1021	1024	1031	1031	1024	1024	1023	1026	1020
26	1026	1030	1028	1028	1026	1024	1020	1019	1019	1016	1013	1008	1005	1011	1020	1024	1029	1029	1029	1028	1030	1028	1029	1025	1025	1023
27	1025	1028	1025	1024	1024	1020	1021	1017	1010	1002	1001	1000	996	997	999	1010	1021	1032	1034	1033	1037	1034	1030	1028	1029	1019
28 Q	1029	1025	1023	1024	1024	1024	1029	1023	1014	1000	990	985	985	993	1004	1011	1020	1028	1032	1031	1030	1028	1025	1025	1024	**1017**
29 Q	1024	1023	1024	1022	1020	1024	1023	1019	1011	1002	995	995	999	1004	1009	1019	1024	1030	1033	1033	1033	1033	1029	1029	1028	1019
30	1028	1028	1028	1028	1026	1028	1028	1024	1014	1000	990	991	995	1001	1009	1018	1024	1029	1035	1038	1040	1035	1033	1034	1035	1021
31	1035	1037	1034	1033	1033	1034	1031	1033	1019	1000	981	981	981	996	1009	1014	1026	1034	1035	1034	1029	1029	1029	1029	1037	1021
Mean	1031	1029	1028	1029	1028	1029	1028	1022	1015	1007	999	**997**	1001	1006	1013	1020	1025	1029	1032	1035	**1035**	1032	1032	1031	1031	1022

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

240. Eskdalemuir. (−Y.) **August, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	651	650	650	650	644	639	630	634	634	639	646	657	666	672	677	676	672	668	665	665	661	661	659	656	654	655
2	654	649	646	640	645	648	649	646	644	640	636	646	662	677	680	679	676	672	669	671	670	664	661	661	657	658
3 D	657	666	651	630	623	630	634	640	651	666	657	672	688	683	683	682	673	673	673	667	641	650	644	646	650	657
4 D	650	647	650	666	680	656	640	625	650	645	646	654	661	672	670	666	666	668	677	672	666	656	661	659	656	659
5	656	651	651	645	640	640	635	635	634	635	642	651	660	667	672	672	669	661	661	661	661	661	660	656	656	653
6 D	656	651	653	649	647	642	635	640	638	655	665	675	688	689	685	687	670	657	656	661	651	640	642	640	646	657
7	647	648	650	648	641	640	635	631	633	640	648	656	667	677	682	677	667	661	658	654	661	658	658	656	657	654
8	657	660	656	651	641	636	636	636	630	630	641	657	668	677	677	668	658	653	656	658	662	653	651	653	656	653
9	656	652	648	649	643	639	640	636	636	641	655	667	679	688	681	672	669	663	663	662	662	662	662	657	652	657
10	652	650	651	650	644	635	631	631	631	635	644	658	672	678	678	674	663	651	646	652	661	661	659	658	656	653
11	656	652	654	656	647	641	636	635	638	644	652	662	671	676	675	669	663	660	657	657	651	657	657	657	656	655
12	656	656	656	653	651	646	641	635	632	634	641	658	675	678	678	673	666	657	653	656	657	662	662	638	640	654
13 D	640	643	648	657	641	631	630	625	630	638	651	667	683	694	693	684	679	673	672	667	668	630	629	636	646	655
14	647	648	652	649	658	663	642	632	632	636	646	659	673	678	678	674	668	659	658	646	652	657	658	657	654	655
15	654	648	652	651	647	642	633	630	632	637	652	667	679	682	689	685	675	667	652	647	655	653	657	657	654	656
16	654	653	654	652	648	644	640	636	636	642	653	663	674	674	676	671	668	668	668	668	661	654	654	649	642	656
17	642	631	637	646	640	642	641	641	636	632	640	649	663	668	669	668	662	659	657	658	658	657	655	653	652	650
18 Q	652	651	649	649	648	644	637	636	637	643	649	658	668	672	671	668	662	658	658	659	662	659	658	657	652	654
19	652	648	648	648	647	643	641	637	636	641	648	657	663	674	675	674	677	669	666	663	662	662	659	648	641	656
20	641	637	636	642	637	637	636	633	638	642	653	661	674	682	678	670	659	654	657	657	653	653	653	645	647	651
21 Q	647	648	647	647	647	642	642	637	641	643	641	662	674	679	675	667	661	658	653	657	658	658	657	651	641	654
22	641	637	644	645	649	642	642	642	638	637	652	664	675	678	672	666	661	656	653	657	657	657	653	657	658	654
23	658	649	649	647	643	640	637	636	636	641	653	663	674	680	679	672	659	655	652	654	657	657	653	657	657	654
24 D	657	653	653	652	648	641	632	628	631	635	654	664	672	681	680	673	663	658	656	653	654	657	652	648	648	654
25	648	653	669	636	636	635	638	641	641	642	647	660	678	685	683	682	674	667	660	653	658	653	649	652	650	656
26	656	658	648	647	647	646	646	646	642	641	642	652	664	675	675	672	667	663	662	658	658	657	654	652	652	655
27	652	652	651	648	646	645	642	632	627	631	642	658	674	684	679	669	663	659	657	658	654	643	645	637	642	652
28 Q	642	642	642	642	643	642	637	636	631	626	633	653	670	679	675	669	663	657	653	652	652	652	652	649	650	**650**
29 Q	650	648	649	647	647	645	640	637	636	636	647	654	667	679	678	672	663	661	658	658	657	653	653	652	651	654
30	651	648	648	648	647	645	642	639	634	631	636	646	664	679	684	679	674	668	662	663	663	663	656	657	667	656
31	663	663	658	652	649	651	652	649	639	640	650	662	674	680	679	670	665	664	663	663	664	664	659	654	638	**659**
Mean	651	650	650	648	646	642	638	**636**	636	639	647	659	672	**679**	678	674	667	662	660	659	658	656	654	652	651	655

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

241. Eskdalemuir. (Z.) 44,000 γ ('44 C.G.S. unit) + **August, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 Q	980	982	982	983	986	988	986	980	977	972	967	962	962	965	970	974	976	978	981	985	985	984	983	983	983	978
2	983	984	983	979	982	985	983	982	982	982	981	976	972	971	976	981	982	983	985	986	985	984	982	979	979	981
3 D	979	977	966	962	969	974	977	978	977	971	972	974	970	971	980	984	986	990	993	994	1001	994	982	982	982	979
4 D	981	983	982	980	960	943	947	957	957	961	965	961	965	969	977	983	986	988	988	989	992	991	986	985	985	974
5	985	984	982	982	984	985	985	987	984	978	973	971	975	978	982	985	985	988	987	987	985	985	985	985	982	983
6 D	982	981	982	981	981	983	984	982	979	974	973	973	976	980	983	988	996	996	993	989	991	993	987	983	982	984
7	982	981	981	982	984	985	985	984	981	981	976	972	969	970	975	984	985	989	989	991	989	988	985	985	985	982
8	984	981	979	980	979	984	984	984	984	984	984	981	976	976	980	984	987	987	984	984	984	984	984	984	983	983
9	982	981	981	979	980	982	982	982	983	983	979	972	970	971	981	990	988	989	986	983	982	983	983	983	982	981
10	982	982	981	982	982	983	983	982	981	978	974	969	963	965	971	979	983	987	985	983	982	982	983	983	983	979
11	983	983	982	980	982	983	983	983	981	978	975	974	974	975	976	979	982	986	987	986	986	982	982	983	983	981
12	983	983	983	983	983	983	983	983	983	983	976	970	967	967	971	979	983	986	986	983	982	979	979	980	980	980
13 D	980	979	979	976	977	979	977	976	976	978	974	970	970	970	974	979	983	983	979	978	979	991	985	978	977	978
14	977	979	980	982	980	967	965	971	975	975	971	971	972	978	983	987	996	995	995	995	991	987	985	983	974	981
15	974	972	978	981	983	986	987	986	982	980	975	968	968	975	982	988	996	1002	1005	998	991	987	986	984	984	**984**
16	983	985	985	985	986	986	986	986	983	978	969	967	970	974	978	984	986	986	985	982	985	985	983	982	974	981
17	974	973	974	971	974	980	982	982	979	971	968	965	962	967	975	982	984	986	986	985	982	982	982	982	982	977
18 Q	982	982	981	982	982	985	985	986	986	983	982	978	980	982	982	984	986	986	986	984	982	981	981	981	981	983
19	981	981	981	981	982	984	984	985	982	978	978	974	971	972	977	981	981	983	982	982	984	984	983	981	978	980
20	977	972	973	973	974	977	977	977	977	974	976	973	969	971	976	978	983	985	984	984	984	984	981	981	981	978
21 Q	981	980	980	980	981	981	981	984	983	980	977	970	961	967	973	977	980	982	983	981	981	981	981	981	978	979
22	978	978	977	978	978	980	978	979	981	977	972	965	961	965	974	981	985	985	984	984	983	981	981	975	973	977
23	973	976	977	980	980	981	982	983	984	980	971	970	973	979	983	988	985	984	981	980	979	978	980	980	979	980
24 D	979	980	980	978	979	980	978	977	976	970	969	969	969	970	978	984	985	985	982	981	981	981	981	981	980	978
25	977	976	968	969	973	974	973	973	973	969	963	958	957	965	972	977	980	978	979	981	981	981	981	981	980	973
26	980	974	977	978	978	977	976	973	970	968	965	962	962	965	970	976	977	979	977	976	976	977	977	979	979	974
27	979	977	977	977	977	977	977	980	978	973	969	965	965	965	973	975	976	978	980	980	978	977	977	977	976	975
28 Q	976	976	976	976	974	973	972	974	976	973	970	967	961	961	965	970	975	978	977	977	976	976	976	976	976	973
29 Q	976	977	977	977	977	977	977	976	976	973	972	970	968	968	968	972	973	973	974	974	973	973	973	973	973	974
30	973	973	973	973	973	973	973	976	974	973	973	969	963	959	960	963	969	977	980	977	976	974	974	973	970	972
31	969	964	960	964	967	969	971	969	973	972	968	964	960	957	961	967	971	972	971	971	968	968	968	968	963	**967**
Mean	979	979	978	978	978	979	979	979	978	976	973	969	**968**	970	975	980	983	**985**	984	984	983	982	981	980	979	978

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

242. Eskdalemuir. **August, 1923.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	West Component. Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Vertical Component. Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	Character Figures.§ ΣR^2	Character Figures.§ ρ	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a.*
1	20 28	1050	996	11 23	54	13 21	682	630	6 5	52	5 0	989	961	12 8	28	64	0·85	0	86·7
2	19 22	1059	989	12 0	70	15 16	684	635	9 32	49	19 1	986	970	12 25	16	76	1·01	0	86·7
3	1 31	1066	**941**	10 52	**125**	12 24	**699**	618	3 8 20 11	81	20 12	1002	958	2 41	44	241	3·22	1	86·7
4	4 52	1062	989	7 31	73	3 38	683	**614**	6 59	69	20 20	993	**941**	4 50	**52**	128	1·71	1	86·8
5	23 48	1047	994	12 4	53	14 20	676	632	5 59	44	17 0	989	969	11 10	20	51	0·69	0	86·9
6	21 39	1043	994	11 19	49	12 26	697	629	8 20	68	16 22	997	972	10 20	25	77	1·02	1	86·9
7	19 29	1047	997	11 50	50	14 0	683	626	7 3	57	19 22	992	969	12 40	23	63	0·84	0	86·9
8	20 45	1043	994	11 10	49	13 10	678	629	8 10	49	16 20	988	975	12 28	13	50	0·66	0	87·0
9	18 54	1043	995	9 42	48	12 57	691	630	7 37	61	15 20	991	969	11 43	22	65	0·87	0	87·1
10	18 29	1048	1000	10 17	48	14 7	683	629	7 2	54	17 11	987	963	12 2	24	58	0·77	0	87·1
11	20 12	1044	1002	10 50	42	12 55	679	634	6 18	45	18 30	987	972	11 39	15	40	0·54	0	87·1
12	21 7	1066	985	10 38	81	13 14	680	631	7 40	49	17 10	987	967	12 30	20	94	1·25	1	87·1
13	20 14	**1081**	990	9 59	91	13 28	698	615	21 22	**83**	21 14	993	967	11 36	26	158	2·11	1	87·1
14	17 59	1048	988	13 22	60	13 47	685	626	7 27	59	16 10 18 48	998	963	5 30	35	83	1·11	1	87·2
15	0 10	1048	979	12 33	69	14 3	694	627	7 3	67	17 31	**1006**	967	11 40	39	108	1·44	1	87·3
16	19 51	1048	990	10 15	58	14 8	680	632	7 19	48	16 10	987	966	10 30	21	61	0·81	0	87·3
17	0 10	1052	986	11 2	66	14 37	672	627	0 28	45	18 0	986	962	11 50	24	70	0·93	0	87·3
18	20 13	1034	989	11 33	45	13 18	674	635	7 2	**39**	16 40	988	977	11 1	**11**	37	0·49	0	87·3
19	23 12	1051	999	10 1	52	15 59	685	631	23 33	54	7 23 17 22	985	971	12 18	14	58	0·78	0	87·5
20	0 1	1050	997	11 10	53	13 44	684	626	1 43	58	16 45	985	969	12 20	16	64	0·86	0	87·5
21	23 58	1038	995	11 11	43	13 5	682	636	7 10	46	7 0 17 50	984	961	12 10	23	45	0·60	0	87·5
22	23 5	1067	1004	10 36	63	13 0	679	632	0 29	47	17 0	985	960	11 58	25	68	0·91	0	87·5
23	21 10	1034	984	10 26	50	13 19	684	632	0 8	52	14 50	988	969	11 1	19	56	0·74	0	87·5
24	23 15	1038	971	10 57	67	14 4	695	620	8 21	75	16 19	985	967	12 40	18	104	1·39	1	87·5
25	18 42	1038	995	9 50	43	13 0	689	631	4 33	58	21 30	984	957	11 40	27	59	0·79	1	87·6
26	16 21	1037	999	12 39	**38**	13 11	679	639	9 9	40	17 1	979	961	11 6	18	34	0·45	0	87·6
27	20 20	1049	993	12 31	56	13 17	685	626	8 36	59	18 30	981	964	12 22	17	69	0·92	0	87·7
28	18 6	1032	982	11 54	50	12 41	681	626	9 1	55	17 30	979	961	12 0	18	58	0·78	0	87·7
29	19 32	1034	994	10 59	40	13 23	680	633	8 8	47	5 21	978	966	12 45	12	40	0·53	0	87·7
30	19 50	1045	989	10 15	56	14 13	685	631	8 48	54	17 40	981	958	13 16	23	66	0·88	0	87·7
31	0 35	1048	975	10 11	73	0 20	684	635	8 30	49	8 52	974	956	13 20	18	81	1·07	1	87·9
Mean.	—	1048	990	—	59	—	684	629	—	55	—	988	965	—	23	75	—	0·32	87·3
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

§ For explanation *see* page 105. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

243. Eskdalemuir. (X.) **September, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1037	1024	1025	1025	1026	1032	1032	1018	1011	1001	994	992	994	1005	1009	1020	1022	1021	1023	1028	1027	1025	1028	1027	1025	1018
2	1025	1024	1024	1024	1024	1024	1024	1020	1035	1026	995	991	996	1008	1019	1023	1023	1030	1037	1037	1038	1034	1031	1035	1051	**1023**
3	1051	1035	1039	1021	1023	1027	1020	1010	1004	995	989	990	992	999	1010	1018	1020	1024	1036	1038	1033	1028	1026	1033	1033	1019
4	1033	1027	1027	1025	1025	1024	1020	1018	1016	1008	995	995	993	987	1001	1006	1014	1024	1028	1025	1028	1026	1028	1028	1030	1017
5	1030	1029	1024	1025	1024	1020	1021	1019	1016	1013	1005	1003	1005	1004	1011	1017	1018	1024	1029	1023	1027	1025	1024	1024	1024	1019
6	1024	1024	1024	1023	1024	1023	1020	1016	1013	1011	1001	1000	1002	1005	1012	1016	1022	1020	1023	1025	1033	1032	1029	1028	1029	1019
7 Q	1029	1028	1028	1028	1025	1024	1024	1020	1013	1005	1000	1000	1002	1005	1013	1010	1020	1024	1028	1029	1027	1028	1025	1027	1019	
8 Q	1027	1024	1024	1025	1024	1024	1027	1024	1023	1018	1005	996	995	1004	1009	1015	1020	1022	1024	1028	1029	1029	1030	1029	1029	1020
9 D	1029	1028	1029	1030	1027	1025	1024	1024	1019	1005	995	994	997	1001	1010	1020	1014	1029	1028	1028	1029	1040	1063	1034	1033	1022
10 D	1033	1028	1038	1024	1018	1020	1024	1005	1000	994	980	976	990	996	1006	1019	1016	1019	1020	1024	1030	1033	1028	1024	1023	1014
11	1023	1020	1023	1022	1021	1023	1019	1019	1010	996	990	985	985	994	1009	1018	1020	1015	1021	1028	1032	1034	1030	1034	1024	1015
12	1024	1020	1020	1020	1020	1027	1028	1025	1018	1006	992	985	991	994	1004	1005	1008	1015	1025	1027	1029	1029	1029	1032	1030	1016
13	1030	1024	1025	1027	1026	1025	1024	1022	1014	1010	1004	1002	1008	1002	996	999	1013	1024	1032	1034	1036	1021	1025	1024	1024	1019
14	1024	1028	1033	1034	1032	1030	1029	1022	1014	996	989	990	986	992	1000	1003	1012	1015	1020	1024	1035	1024	1024	1025	1024	1016
15	1024	1023	1021	1024	1023	1019	1020	1020	1014	1004	995	994	1000	1012	1012	1022	1029	1024	1024	1025	1027	1028	1026	1028	1025	1018
16 Q	1025	1024	1024	1024	1024	1025	1028	1024	1014	1005	991	991	994	1003	1006	1010	1014	1025	1025	1026	1026	1024	1024	1023	1023	1017
17	1023	1023	1023	1022	1022	1023	1021	1014	1001	999	992	991	995	1005	1014	1019	1024	1028	1026	1028	1034	1027	1020	1024	1034	1017
18	1034	1024	1024	1025	1033	1029	1024	1019	1011	1005	986	991	996	1006	1014	1015	1015	1020	1024	1029	1029	1026	1027	1043	1025	1019
19	1025	1023	1020	1021	1023	1023	1020	1016	1013	1009	1000	994	995	1001	1006	1011	1019	1023	1024	1029	1029	1030	1030	1030	1038	1018
20	1038	1024	1034	1029	1029	1029	1028	1025	1024	1015	1009	1005	1006	1009	1014	1015	1017	1018	1024	1032	1033	1031	1036	1033	1034	1023
21 Q	1034	1029	1029	1028	1028	1028	1025	1024	1019	1010	1004	1002	1005	1009	1013	1016	1019	1020	1024	1028	1030	1029	1031	1030	1029	1021
22 Q	1029	1028	1028	1028	1029	1029	1032	1030	1025	1013	996	990	991	1002	1010	1018	1023	1024	1026	1030	1033	1033	1038	1037	1033	1022
23	1033	1030	1034	1030	1028	1034	1035	1030	1024	1013	999	995	995	1006	1015	1024	1030	1020	1019	1027	1032	1029	1029	1028	1030	1022
24	1030	1028	1035	1030	1020	1038	1027	1020	1013	1004	994	992	999	1009	1019	1020	1020	1023	1027	1025	1024	1042	1024	1024	1025	1020
25	1025	1028	1025	1025	1033	1025	1024	1023	1018	1013	1008	1007	1009	1014	1014	1015	1023	1023	1029	1030	1030	1031	1030	1024	1028	1022
26 D	1028	1028	1028	1028	1037	1048	1031	999	1010	1005	1001	994	975	971	985	1009	1016	1025	1019	1021	1020	1018	1018	1018	995	1013
27 D	995	948	946	990	1025	956	966	974	990	976	948	947	948	966	985	984	980	985	1009	995	971	980	980	1009	981	**977**
28 D	981	990	1009	1010	1014	1014	1018	1014	1004	994	986	986	989	1006	1005	997	1014	1013	1013	1015	1017	1023	1019	1034	1006	
29	1034	1009	1010	1005	1014	1018	1015	1013	1010	1005	994	985	982	995	1006	1015	1018	1019	1019	1016	1019	1019	1018	1004	1024	1010
30	1024	1010	1010	1013	1007	1025	1020	1016	1009	1001	991	987	990	999	1005	1009	1015	1018	1020	1022	1014	1017	1023	1021	1018	1011
Mean	1027	1021	1023	1023	1024	1024	1022	1018	1014	1005	994	**992**	993	1000	1007	1013	1016	1020	1024	1026	**1027**	1026	1027	1027	1026	1016

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

244. Eskdalemuir. (—Y.) **September, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	634	636	647	650	653	647	639	635	633	634	655	672	689	693	688	684	674	665	659	640	647	658	659	659	657	657
2	655	654	653	650	650	647	642	640	637	641	653	662	676	683	681	675	667	664	663	662	669	661	656	657	655	**658**
3	654	653	631	633	643	640	634	633	631	633	648	662	679	683	677	666	659	658	664	667	661	652	655	652	649	653
4	648	647	648	646	646	646	640	632	629	633	639	648	668	676	669	666	654	654	652	653	653	653	653	652	647	650
5	647	648	649	647	648	647	644	642	643	643	647	656	668	672	670	665	659	658	657	654	657	655	653	653	652	654
6	651	647	647	647	647	643	641	637	637	642	650	656	666	676	675	669	663	658	657	656	655	647	647	651	652	653
7 Q	652	651	651	651	647	646	644	637	631	633	635	646	663	673	671	662	656	657	654	654	652	651	650	651	650	651
8 Q	650	649	649	646	643	641	640	640	637	640	646	660	668	672	670	666	663	662	658	657	657	657	655	656	652	653
9 D	652	651	651	649	642	641	641	640	632	634	640	657	673	678	678	673	659	661	657	657	656	662	628	619	635	651
10 D	635	612	628	626	643	647	637	629	635	637	650	665	678	683	676	673	662	656	656	653	649	655	653	656	653	650
11	653	653	653	651	646	642	641	640	640	645	661	669	685	682	679	673	664	654	657	659	656	655	646	621	631	655
12	631	639	647	647	648	646	645	640	635	633	640	649	668	675	676	671	660	658	656	652	654	653	654	655	650	652
13	650	651	649	650	650	651	647	645	640	643	651	661	676	684	681	674	669	663	661	659	660	637	634	652	652	656
14	652	650	647	648	642	643	645	641	637	640	653	659	668	675	672	665	665	657	648	652	643	650	652	651	649	652
15	649	652	648	649	651	653	651	638	632	630	635	646	663	674	672	673	671	662	655	654	653	651	651	651	650	653
16 Q	650	651	651	648	647	644	637	636	631	639	643	658	673	677	677	669	657	651	652	655	652	652	653	651	649	652
17	648	648	647	646	646	645	638	630	628	634	645	659	668	668	664	662	662	656	655	658	665	657	651	662	645	652
18	645	639	650	645	644	645	645	640	636	638	645	655	661	670	671	668	667	663	661	660	653	649	645	652	654	652
19	654	646	646	646	646	646	641	637	636	638	643	647	656	663	665	658	656	656	657	660	656	654	653	653	647	650
20	647	646	650	641	645	645	645	640	636	640	646	658	665	668	667	664	657	656	654	653	651	644	648	649	648	651
21 Q	648	648	645	645	646	648	645	645	640	637	643	650	660	664	668	667	662	657	657	655	653	655	650	650	652	652
22 Q	652	653	652	653	653	651	649	643	634	630	635	652	672	676	674	667	660	656	655	659	658	652	653	649	644	653
23	644	642	638	637	641	649	642	638	637	638	644	658	676	681	675	669	665	659	652	656	654	651	651	650	650	652
24	650	645	645	636	650	643	639	637	636	639	647	656	666	669	667	660	653	654	658	660	657	655	646	645	646	650
25	646	646	645	650	638	640	644	640	638	641	648	653	659	667	665	668	666	660	661	660	656	640	641	650	650	651
26 D	650	651	651	660	657	672	662	661	666	649	645	658	665	680	671	677	680	682	656	656	635	560	546	514	525	643
27 D	525	500	537	609	629	662	677	624	631	633	653	668	682	671	668	675	671	668	584	554	591	610	626	589	584	**624**
28 D	584	641	684	616	626	631	636	632	632	631	642	652	665	667	669	663	650	652	651	647	642	636	640	638	655	644
29	655	623	634	633	638	640	641	641	637	634	636	644	654	666	669	663	657	656	656	653	652	651	647	648	652	647
30	652	632	639	637	644	645	645	641	636	633	638	642	651	660	659	658	658	657	661	659	646	647	645	645	640	647
Mean	642	640	644	643	645	646	644	638	**636**	637	645	656	669	**674**	672	668	662	659	654	652	651	647	645	643	643	651

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

245. Eskdalemuir. (Z.) **September, 1923.**

44,000 γ (·44 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	964	961	962	965	965	966	967	969	968	965	957	955	955	954	957	965	976	981	983	985	981	972	968	966	966	**967**
2	966	965	965	965	965	966	968	969	968	964	958	954	953	956	960	965	965	965	965	965	961	961	961	961	954	963
3	954	950	944	953	954	957	961	964	961	955	945	941	941	942	951	957	957	956	953	954	957	960	958	956	954	953
4	954	953	953	953	955	957	957	957	953	949	949	945	944	945	949	953	959	959	957	957	957	957	956	954	954	953
5	954	953	953	953	953	953	953	956	955	953	949	942	941	941	946	953	956	957	957	957	957	957	957	956	955	953
6	955	955	954	954	953	954	957	957	953	949	950	950	949	946	950	953	953	953	953	953	953	954	955	953	953	953
7 Q	953	953	951	953	953	953	953	953	952	951	949	947	942	946	950	953	953	955	953	953	953	953	954	954	953	952
8 Q	953	953	953	953	953	953	952	953	952	950	950	946	941	937	941	945	949	950	950	949	950	950	952	953	953	949
9 D	953	953	952	950	950	950	952	950	950	950	949	944	938	940	943	949	950	950	950	950	953	952	949	944	945	949
10 D	945	938	938	942	942	941	945	948	945	945	944	942	942	946	954	961	961	957	955	954	955	953	953	953	953	948
11	953	953	953	953	953	952	952	950	948	945	942	944	944	945	946	952	957	957	953	950	952	953	954	952	949	950
12	949	949	949	950	950	949	950	950	949	946	944	940	939	941	945	950	953	954	953	953	953	953	952	949	948	949
13	948	950	950	951	950	950	950	950	949	945	941	937	937	942	949	949	949	950	952	953	953	960	957	953	953	949
14	953	952	950	950	950	950	952	950	948	945	942	941	938	942	949	952	954	960	962	958	953	952	950	949	949	950
15	949	949	949	950	950	949	950	952	949	945	943	940	933	934	938	942	949	953	953	953	953	950	950	950	950	947
16 Q	951	951	951	951	951	951	954	954	951	946	946	940	938	939	946	954	958	958	955	954	954	954	954	954	953	951
17	953	951	952	952	953	954	955	957	953	947	946	943	944	946	946	946	949	954	954	953	952	955	958	954	946	951
18	946	947	947	947	947	949	951	954	954	952	950	946	943	946	948	950	953	951	951	953	954	954	954	945	942	950
19	943	944	947	948	950	951	952	955	955	951	950	951	946	944	948	951	950	950	950	951	951	951	951	951	948	950
20	948	947	945	947	947	948	950	951	951	951	944	944	944	943	942	947	950	950	951	951	952	951	950	947	947	948
21 Q	947	947	947	947	947	947	948	951	950	947	947	944	939	939	940	943	947	948	948	950	951	951	951	951	950	947
22 Q	950	951	950	948	948	948	948	951	951	950	947	940	937	938	943	947	951	948	947	947	947	948	948	947	948	947
23	949	949	948	948	948	945	948	948	948	946	945	940	937	938	944	949	955	956	956	953	952	952	952	953	952	948
24	952	952	944	948	946	943	948	952	952	949	948	947	945	948	952	953	955	953	952	953	953	949	947	952	952	950
25	953	953	953	949	949	950	950	950	949	946	945	945	945	945	946	946	951	953	953	953	953	953	953	953	952	950
26 D	953	953	953	950	945	937	935	941	941	941	945	945	948	953	957	958	957	957	967	966	969	961	933	899	871	947
27 D	871	846	767	803	827	827	834	902	931	948	950	954	961	966	980	982	996	1026	1047	997	981	973	918	874	905	**924**
28 D	906	903	878	911	933	940	943	946	947	947	946	946	949	954	962	966	970	971	969	966	966	962	951	946	937	946
29	937	937	942	946	950	954	954	956	954	950	947	950	950	949	950	952	955	958	958	958	958	958	958	958	944	952
30	944	951	955	955	951	951	952	954	955	954	954	950	947	946	950	954	957	958	959	962	969	967	962	959	958	955
Mean	947	946	**942**	945	946	947	948	952	951	949	947	945	944	945	949	953	957	958	**959**	957	957	956	952	948	947	950

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

246. Eskdalemuir. **September, 1923.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	West Component. Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Vertical Component. Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	Character Figures.§ ΣR^2	Character Figures.§ ρ	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a.*
1	0 2	1041	990	11 8	51	12 37	698	625	0 40	73	19 12	988	953	12 30	35	92	0·45	0	87·7
2	23 54	1063	986	10 58	77	13 0	686	638	6 35	48	7 30	969	953	12 20	16	85	0·42	0	87·7
3	0 1	1058	985	12 7	73	12 53	690	619	2 20	71	20 53	981	940	11 23	41	121	0·59	1	87·7
4	20 50	1056	977	13 8	79	12 47	681	621	7 49	60	16 53	961	942	12 10	19	102	0·50	1	87·7
5	18 19	1034	1000	11 18	**34**	12 22	677	639	8 30	38	19 15	958	940	11 46	18	29	0·14	0	87·7
6	20 48	1039	999	10 37	40	13 30	679	632	8 5	47	21 40	957	945	13 0	**12**	40	0·19	0	87·7
7	19 47	1032	995	11 4	37	13 29	677	630	10 10	47	17 0	956	941	12 10	15	38	0·19	0	87·7
8	20 11	1033	991	11 29	42	13 41	673	637	8 20	36	1 15	953	935	13 0	18	34	0·17	0	87·7
9	22 12	1096	991	11 32	105	13 20	683	600	22 42	83	20 28	953	938	12 0	15	181	0·89	1	87·8
10	0 19	1051	972	10 52	79	13 20	690	603	0 52	87	15 22	964	937	1 45	27	145	0·71	1	87·7
11	22 40	1043	975	11 27	68	12 32	689	615	23 0	74	16 32	959	941	10 0	18	104	0·51	0	87·7
12	23 10	1037	980	10 55	57	13 42	678	628	8 41	50	16 40	956	939	12 30	17	60	0·30	0	87·7
13	19 42	1045	989	14 29	56	12 29	688	628	21 49	60	21 20	961	935	11 13	26	74	0·36	0	87·7
14	19 50	1047	979	9 15	68	12 41	684	625	8 47	59	17 40	963	938	11 39	25	87	0·43	0	87·7
15	16 30	1035	991	10 40	44	13 6	680	629	9 5	51	17 32	956	933	12 25	23	51	0·25	0	87·7
16	18 45	1030	986	10 22	44	13 25	682	627	7 59	55	15 40	958	938	12 0	20	54	0·26	0	87·7
17	20 19	1046	987	11 16	59	20 19	669	627	7 8	42	22 20	962	943	11 32	19	56	0·27	0	87·7
18	22 40	1057	978	10 21	79	14 17	679	631	8 11	48	21 38	954	941	24 0	13	87	0·43	1	87·7
19	23 35	1042	990	10 59	52	13 53	670	635	7 44	35	7 50	955	942	0 1	13	41	0·20	0	87·7
20	22 11	1053	1003	10 30	50	15 31	670	635	8 0	35	21 5	953	940	13 48	13	39	0·19	0	87·7
21	21 43	1036	1000	10 30	36	14 34	669	637	9 15	**32**	22 20	951	937	12 52	14	25	0·12	0	87·7
22	22 41	1049	988	11 14	61	13 20	677	628	9 22	49	8 0	952	936	12 30	16	64	0·31	0	87·7
23	15 38	1038	989	11 42	49	13 42	689	634	7 48	55	17 0	956	936	12 20	20	58	0·29	0	87·7
24	21 0	1058	990	11 0	68	12 15	674	632	8 48	42	20 41	956	941	4 50	15	66	0·32	1	87·7
25	21 3	1037	1001	10 40	36	12 59	669	635	7 22	34	20 50	954	942	9 41	**12**	26	0·13	0	87·7
26	20 53	1067	944	20 32	123	15 19	697	497	23 17	200	18 20	977	866	23 55	111	675	3·31	2	87·7
27	2 20	**1097**	**749**	1 42	**348**	22 16	**745**	**443**	1 36	**302**	17 33	**1067**	**724**	1 48	**343**	3300	16·17	2	87·7
28	23 49	1056	965	0 46	91	1 38	713	600	0 1	113	16 32	974	871	1 59	103	295	1·45	1	87·7
29	24 0	1029	976	12 20	53	23 42	686	621	0 55	65	22 11	959	931	0 28	28	44	0·21	0	87·7
30	0 8	1040	985	10 40	55	13 10	671	621	0 45	50	20 0	970	939	0 10	31	49	0·24	0	87·8
Mean.	—	1048	978	—	70	—	684	616	—	68	—	964	928	—	37	204	—	0·37	87·7
No. of Days used.	—	30	30	—	30	—	30	30	—	30	—	30	30	—	30	30	—	30	30

§ For explanation *see* page 105. Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

247. Eskdalemuir. (X.) **October, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1018	1030	1026	1020	1019	1020	1009	1015	1010	1002	1000	995	996	1000	1000	1002	1009	1014	1019	1019	1018	1019	1021	1016	1014	1012
2 Q	1014	1015	1015	1015	1015	1016	1019	1016	1014	1005	996	995	996	1000	1000	1001	1008	1015	1020	1020	1021	1023	1021	1020	1020	1012
3 Q	1020	1019	1019	1019	1019	1019	1019	1018	1015	1009	1001	995	995	1001	1005	1010	1015	1023	1024	1024	1020	1020	1022	1020	1020	1015
4	1020	1020	1019	1019	1018	1019	1019	1019	1015	1005	991	990	991	995	1006	1015	1016	1017	1019	1020	1024	1020	1021	1021	1024	1013
5	1023	1023	1020	1017	1025	1025	1029	1027	1018	1013	1004	1000	1002	1005	1007	1013	1015	1015	1014	1017	1013	1018	1022	1020	1024	1016
6	1024	1024	1023	1020	1023	1028	1023	1023	1020	1014	1009	1006	1003	1004	1008	1012	1017	1009	1018	1019	1018	1013	1017	1019	1020	1016
7	1020	1021	1022	1023	1024	1037	1041	1033	1025	1008	1004	996	994	995	999	1009	1013	1017	1019	1019	1022	1019	1019	1019	1018	1017
8	1018	1019	1019	1024	1032	1043	1042	1132	1028	1017	999	985	980	985	981	999	1009	1018	1022	1024	1026	1023	1019	1021	1023	1015
9	1023	1023	1027	1024	1024	1029	1032	1032	1022	1008	990	989	993	999	1003	1009	1014	1014	1014	1018	1021	1019	1015	1020	1032	1015
10	1032	1032	1020	1019	1022	1024	1023	1024	1028	1018	1007	1006	1009	1005	1013	1024	1019	1017	1019	1029	1027	1013	1018	1022	1019	**1019**
11	1019	1015	1026	1028	1027	1018	1033	1014	1018	1007	996	992	989	988	998	1005	1002	1004	1014	1018	1015	1020	1018	1021	1019	1012
12	1018	1017	1017	1022	1024	1027	1024	1011	997	987	990	996	990	996	1009	1011	1013	1015	1022	1024	1009	1009	1017	1017	1018	1012
13	1018	1017	1017	1017	1018	1022	1022	1019	1014	1006	989	980	979	987	996	1007	1013	1018	1022	1022	1022	1026	1023	1022	1019	1012
14	1019	1018	1018	1018	1022	1022	1023	1023	1017	1003	987	980	984	998	1008	1017	1023	1027	1031	1032	1025	1022	1053	1024	1032	1017
15 D	1032	1023	1023	1023	1028	1037	1023	1031	987	955	973	980	983	966	936	978	970	994	965	998	1032	1007	974	969	1023	995
16 D	1023	1032	1021	969	1017	994	1016	1022	1017	993	974	984	964	968	979	993	993	1018	944	925	920	937	945	954	921	**981**
17 D	921	979	989	978	995	959	953	974	984	999	1008	1002	993	990	995	993	989	993	1003	1003	999	1017	994	1028	1008	991
18 D	1008	1013	1012	1012	1016	1017	1007	1022	1008	984	988	993	999	1002	1008	999	993	1018	1018	1013	1032	1056	994	1003	1009	1009
19 D	1009	1013	1015	1007	1014	1016	1016	1019	1017	1007	1002	1003	1005	998	1002	1008	1008	1008	1010	1007	1015	1008	1012	1016	1017	1010
20	1016	1014	1013	1012	1012	1013	1015	1022	1001	997	992	988	990	996	1002	1006	1005	1011	1012	1021	1017	1020	1035	1014	1012	1009
21	1012	1011	1014	1016	1008	1011	1015	1017	1013	1008	998	993	993	993	997	1005	1011	1013	1017	1019	1017	1016	1017	1017	1018	1010
22	1018	1017	1017	1016	1014	1015	1021	1016	1010	1002	996	992	993	996	1003	1009	1008	1016	1014	1017	1017	1018	1025	1017	1019	1011
23 Q	1019	1012	1016	1016	1016	1016	1017	1016	1016	1011	1003	1002	1003	1011	1013	1014	1016	1016	1018	1021	1021	1021	1021	1021	1020	1015
24 Q	1019	1016	1018	1016	1016	1015	1015	1015	1009	997	988	987	994	1002	1008	1011	1015	1015	1016	1017	1018	1019	1020	1020	1020	1011
25	1020	1017	1016	1020	1020	1020	1020	1020	1015	1010	1001	1001	1001	1006	1011	1020	1021	1022	1025	1024	1017	1014	1017	1018	1017	1016
26	1017	1014	1031	1021	1020	1019	1017	1015	1007	999	991	991	992	996	1005	1010	1014	1016	1018	1020	1021	1021	1020	1028	1020	1013
27	1020	1012	1020	1024	1026	1029	1031	1031	997	996	1001	1000	1000	999	1001	1006	1011	1015	1015	1017	1020	1025	1016	1016	1016	1014
28	1016	1015	1017	1016	1016	1016	1016	1015	1011	1001	996	991	992	997	1006	1012	1017	1015	1020	1020	1020	1020	1019	1023	1027	1012
29	1026	1015	1015	1015	1017	1017	1020	1019	1010	1005	991	997	996	999	1005	1010	1012	1017	1019	1019	1020	1019	1019	1019	1019	1012
30 Q	1019	1019	1019	1019	1019	1019	1019	1018	1014	1009	1000	999	1000	1004	1005	1010	1014	1019	1019	1023	1024	1023	1023	1022	1019	1015
31	1019	1019	1015	1015	1019	1020	1020	1019	1014	1006	996	992	1000	1006	1015	1019	1023	1024	1024	1017	1024	1022	1021	1019	1011	1015
Mean†	1016	1017	1018	1015	1019	1018	1019	**1020**	1012	1003	996	**994**	994	997	1001	1008	1010	1014	1013	1015	1017	1017	1015	1015	1016	1011

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

248. Eskdalemuir. (—Y.) **October, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	641	639	641	641	636	635	639	648	639	634	641	646	651	656	656	656	654	649	651	652	652	652	646	643	646	646
2 Q	646	646	647	646	645	645	643	642	637	633	634	640	650	661	662	659	652	653	655	652	652	652	648	646	646	648
3 Q	646	646	646	646	645	645	641	638	636	634	644	647	655	661	660	658	653	652	652	652	652	652	652	648	646	648
4	646	642	641	641	641	640	641	640	636	634	641	652	667	667	665	663	654	652	652	652	652	652	652	648	647	649
5	647	646	643	651	647	645	649	647	643	644	650	660	662	671	671	671	664	662	662	656	651	648	651	651	646	654
6	646	642	645	645	646	641	645	644	640	641	647	649	655	660	663	660	654	641	649	652	651	641	638	644	646	647
7	646	646	647	651	652	649	649	649	645	644	649	656	667	672	667	659	648	647	646	646	646	647	647	647	647	651
8	647	647	648	657	651	652	648	652	650	648	650	658	671	690	689	676	664	655	652	651	649	646	641	640	640	**655**
9	640	624	624	630	634	635	638	638	635	633	643	651	667	672	671	664	658	653	653	651	648	644	636	640	641	645
10	641	638	639	640	642	642	643	646	638	630	634	650	677	676	680	680	666	664	661	661	649	631	637	643	641	650
11	641	643	645	635	630	678	676	638	638	633	636	657	672	678	676	662	660	656	653	651	647	646	642	646	641	652
12	641	642	643	642	651	647	645	643	639	639	*	—	—	—	—	—	—	—	—	—	—	—	—	—	*	—
13	*	—	—	—	—	—	—	—	—	*	632	644	655	667	668	664	657	651	651	649	647	640	646	646	645	—
14	645	646	646	646	647	647	646	642	633	629	633	647	662	672	670	669	663	661	660	660	655	645	603	621	623	647
15 D	623	629	636	636	652	656	669	670	639	642	654	644	664	677	666	691	661	587	641	598	601	584	590	629	643	640
16 D	643	614	624	630	662	684	694	668	658	647	648	657	652	666	669	662	620	587	585	567	558	566	505	530	568	**623**
17 D	568	574	582	611	661	688	668	665	662	637	637	645	661	662	672	669	657	648	645	642	624	610	618	635	633	641
18 D	633	642	637	634	627	631	638	658	649	648	649	650	661	661	664	657	640	630	643	647	612	581	614	640	644	640
19 D	644	646	647	654	653	641	642	641	638	642	650	665	672	661	656	650	648	648	655	627	627	637	644	643	638	647
20	638	638	637	642	638	637	640	636	632	629	640	643	653	656	657	656	650	649	650	640	641	640	635	630	637	642
21	637	648	642	638	641	648	647	647	637	632	634	643	656	661	661	659	654	652	652	648	649	644	644	643	645	647
22	645	644	643	642	642	647	641	641	636	629	635	648	660	659	664	655	648	652	652	648	647	646	640	638	637	646
23 Q	637	642	643	643	643	643	646	647	642	639	643	654	658	659	658	648	646	647	646	647	647	646	646	642	641	646
24 Q	641	643	646	645	644	644	643	642	638	636	649	664	673	671	663	654	647	647	647	647	645	646	646	646	646	649
25	646	647	647	646	646	646	646	645	642	638	643	655	660	661	659	657	652	652	655	652	648	636	631	630	634	647
26	634	627	639	627	636	636	641	640	635	634	639	652	663	665	660	655	652	652	652	652	652	646	641	633	636	644
27	636	639	646	644	645	649	649	645	639	639	645	654	661	666	660	655	653	652	648	645	649	622	627	643	644	647
28	644	646	646	646	645	646	643	641	633	629	640	650	655	657	656	653	649	648	651	647	646	646	643	639	639	646
29	639	641	642	642	647	648	643	641	633	629	641	647	656	661	660	655	652	652	651	649	649	646	646	645	645	647
30 Q	645	644	645	648	646	647	646	642	638	638	645	655	660	661	659	653	651	651	648	648	647	646	643	639	636	648
31	636	642	643	642	642	640	637	637	637	638	650	657	667	672	664	670	656	656	656	652	605	630	630	632	638	645
Mean†	639	638	640	641	644	648	648	646	640	637	643	652	662	**666**	665	661	653	647	649	645	640	635	**632**	636	638	646

* No trace; presumed defective paper. † Mean of 29 days; 12th & 13th omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

249. Eskdalemuir. (Z.) **October, 1923.**

44,000 γ (·44 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	959	955	951	954	956	956	956	953	955	955	953	953	955	956	958	959	963	963	963	960	959	959	959	959	959	957
2 Q	959	959	959	959	959	959	959	962	964	964	959	955	951	951	955	959	960	962	960	960	960	959	959	959	959	959
3 Q	959	959	959	959	959	959	959	959	959	958	951	949	948	950	952	956	959	959	959	959	959	959	959	959	959	957
4	960	960	960	960	960	960	960	960	960	956	956	952	949	952	953	956	960	960	960	960	960	960	960	960	958	958
5	958	957	957	956	953	954	953	953	956	956	952	951	949	949	952	955	960	962	964	965	967	965	962	961	959	957
6	959	957	956	956	956	956	956	956	957	955	952	952	952	952	952	954	959	964	961	960	960	961	961	960	957	957
7	958	958	957	957	957	953	949	949	950	951	951	952	950	950	957	961	965	964	961	961	961	959	959	960	960	956
8	960	960	959	957	953	949	942	945	949	953	954	955	953	953	958	962	966	965	961	961	961	961	961	961	957	957
9	958	954	951	951	952	953	953	954	954	954	950	950	950	951	955	962	966	966	963	962	962	962	966	962	955	957
10	955	950	954	955	956	956	955	955	954	955	954	946	942	946	947	953	955	962	962	959	962	970	967	963	963	956
11	963	962	958	956	955	942	927	942	946	946	947	944	946	947	951	969	978	974	971	967	966	963	963	962	962	956
12	963	963	963	962	957	955	955	956	959	959	960	959	955	955	956	963	964	963	960	960	968	972	964	963	960	961
13	960	960	960	960	960	959	959	959	963	963	963	960	958	955	958	960	964	963	963	963	963	960	959	959	959	960
14	959	960	960	960	960	960	960	962	963	964	959	955	952	955	956	959	962	960	959	959	962	963	955	943	945	958
15 D	946	948	952	952	947	945	943	938	952	957	956	956	957	966	988	1000	1020	1047	1035	1016	968	944	928	870	850	962
16 D	851	894	913	891	886	914	911	925	938	949	953	953	965	976	1001	1024	1049	1028	1025	981	947	898	887	866	799	942
17 D	799	799	796	808	819	851	883	911	934	957	962	961	962	976	981	985	992	990	984	981	985	979	970	934	953	**928**
18 D	953	957	961	957	953	950	953	950	953	957	957	958	958	959	962	969	981	981	973	970	970	942	945	951	957	959
19 D	958	959	959	959	955	958	959	962	963	966	962	955	958	962	966	967	970	967	967	973	974	970	967	967	966	964
20	966	966	966	965	964	963	963	962	966	966	966	965	963	963	966	970	971	967	969	966	966	966	959	962	962	**965**
21	963	957	959	959	960	960	961	963	967	970	967	964	963	964	967	967	968	964	964	964	964	967	967	967	964	964
22	964	964	964	963	963	962	962	963	967	968	964	963	963	963	966	968	974	968	967	964	964	964	964	963	963	965
23 Q	964	964	964	964	964	964	962	961	963	964	960	957	956	958	961	964	964	964	961	961	961	961	961	964	964	962
24 Q	964	964	964	961	961	961	961	961	962	960	952	952	956	957	960	964	964	964	964	964	961	961	961	961	961	961
25	961	961	962	961	960	960	960	960	961	962	957	956	957	958	960	964	962	960	960	960	960	967	968	968	961	961
26	962	962	953	950	954	957	960	961	965	962	960	958	957	961	965	966	967	965	965	962	962	962	964	965	961	961
27	961	962	962	962	961	958	958	958	965	961	958	957	957	959	964	966	967	967	968	968	966	965	965	962	962	962
28	963	964	964	964	963	963	963	966	966	966	962	962	963	965	966	967	967	966	966	966	966	966	966	966	963	965
29	963	962	963	964	964	962	962	963	966	963	962	962	964	966	967	970	969	966	966	966	966	964	964	964	964	965
30 Q	965	964	964	963	963	963	963	963	964	963	960	960	963	963	967	967	965	965	965	964	964	964	964	965	964	964
31	964	963	963	964	963	964	964	964	964	964	960	959	959	960	963	964	963	964	964	967	975	968	963	963	963	964
Mean†	951	952	952	951	951	952	952	955	958	959	957	956	956	958	963	967	**971**	971	969	966	964	960	958	954	**951**	959

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

250. Eskdalemuir. **October, 1923.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	West Component. Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Vertical Component. Maximum 44,000 γ +		Minimum 44,000 γ +		Range.	Character Figures.§ ΣR^2.	Character Figures.§ ρ	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	100γ^2			*a.*
1	0 35	1041	989	11 23	52	14 42	661	625	0 30	36	17 27	963	951	2 0	12	41	0·21	0	87·7
2	19 53	1025	991	10 52	34	13 23	666	629	9 16	37	8 55	965	949	12 40	16	28	0·14	0	87·7
3	18 55	1027	990	11 23	37	13 12	665	632	8 44	33	20 10	960	947	12 0	13	26	0·13	0	87·7
4	23 41	1026	987	10 59	39	13 17	672	633	8 20	39	22 30	961	949	12 10	12	32	0·16	0	87·7
5	6 10	1032	995	11 54	37	14 12	674	640	4 50	34	20 20	968	948	12 20	20	29	0·14	0	87·7
6	0 12	1032	999	16 40	33	14 14	664	635	1 6	29	17 4	964	952	12 5	12	21	0·10	0	87·7
7	5 41	1047	991	12 0	56	13 10	673	642	8 51	31	16 30	965	949	6 45	16	44	0·22	0	87·7
8	5 14	1051	975	11 42	76	13 16	696	637	23 0	59	15 53	969	941	5 40	28	100	0·51	1	87·7
9	23 58	1038	987	10 48	51	13 0	672	610	0 43	62	16 30	966	950	12 10	16	67	0·34	0	87·7
10	16 20	1041	1002	15 25	39	14 57	688	626	21 10	62	21 6	970	942	12 0	28	61	0·31	0	87·7
11	4 22	1043	980	12 51	63	5 18	691	627	4 4	64	16 0	978	923	6 0	55	111	0·56	1	87·7
12	5 50 } 18 42 }	1028	982	11 20	46	4 34	652	630	9 42	**22**	20 40	975	953	12 30	22	31	0·16	0	87·7
13	20 48	1032	975	11 29	57	13 47	672	629	9 45	43	16 20	964	955	13 30	9	52	0·26	0	87·7
14	22 0	1071	979	11 6	92	12 36	677	596	21 39	81	21 22	967	943	22 50	24	156	0·79	1	87·7
15	19 40	**1110**	901	13 49	209	15 20	**732**	525	16 33	207	16 28	**1063**	838	21 23	225	1372	6·92	2	87·7
16	16 50	1066	**809**	23 40	**257**	5 55	700	**473**	22 3	**227**	16 44	1061	**770**	23 42	**291**	2023	10·20	2	87·7
17	22 49	1060	906	0 42	154	5 12	712	524	0 45	188	16 10	993	791	1 38	202	999	5·04	2	87·7
18	20 38	1104	975	15 58	129	14 11	679	564	20 28	115	16 15	985	938	21 26	47	321	1·62	1	87·7
19	19 58	1025	969	12 29	56	12 22	682	600	19 26	82	19 48	978	954	4 5	24	104	0·53	1	87·7
20	21 48	1046	986	8 29	60	14 32	665	624	8 31	41	15 55	974	958	22 0	16	55	0·28	0	87·6
21	6 53	1025	992	12 53	33	13 39	663	628	9 6	35	9 0	971	956	1 5	15	25	0·13	0	87·6
22	22 12	1040	991	11 2	49	14 5	665	627	9 5	38	15 50	975	961	5 40	14	40	0·20	0	87·5
23	22 40	1026	1001	11 11	**25**	13 51	668	637	8 40	31	15 27	965	956	12 0	9	17	0·08	0	87·5
24	23 35	1020	986	10 47	34	11 50	673	634	9 10	39	15 30	965	952	11 0	13	28	0·14	0	87·5
25	18 9	1030	1000	10 12	30	12 30	663	627	21 30	36	21 40	969	954	10 42	15	24	0·12	0	87·5
26	23 16	1051	990	10 48	61	12 20	667	620	2 50	47	15 40	969	948	2 34	21	64	0·32	0	87·5
27	20 33	1049	977	8 28	72	12 50	672	614	20 50	58	17 50	969	957	11 35	12	87	0·44	0	87·5
28	23 53	1031	990	11 10	41	13 56	660	628	8 55	32	15 50	968	962	10 58	**6**	27	0·14	0	87·5
29	20 25	1024	990	10 33	34	13 45	665	628	9 21	37	15 20	970	960	10 28	10	26	0·13	0	87·5
30	23 12	1027	996	10 30	31	13 2	665	637	8 30	28	15 0	967	959	9 38	8	18	0·09	0	87·5
31	20 22	1052	990	10 35	62	12 49	681	594	20 20	87	19 58	979	959	12 0	20	118	0·60	1	87·5
Mean	—	1043	902	—	65	—	675	612	—	63	—	976	901	—	40	198	—	0·39	87·6
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	31	31	—	31	31	—	31	31

† Mean of 29 days; 12th & 13th omitted. § For explanation *see* page 105.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

251. Eskdalemuir. (X.) **November, 1923.**

15,000 γ (·15 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1010	1019	1004	1011	1010	1014	1019	1018	1014	1009	999	1000	1004	1011	1018	1019	1020	1023	1023	1023	1022	1021	1021	1024	1027	1015
2 D	1027	1028	1023	1027	1033	1038	1009	995	1004	984	969	985	993	990	992	995	1004	1002	1011	1015	1011	1043	1004	1005	1012	**1007**
3	1012	1013	1009	1003	1004	1012	1008	1018	1013	1000	999	991	980	998	1003	1008	1013	1014	1014	1017	1017	1018	1014	1018	1015	1008
4	1014	1013	1012	1008	1013	1019	1020	1018	1017	1013	1005	1002	999	1003	1005	1006	1012	1013	1016	1017	1017	1018	1018	1018	1018	1012
5 Q	1018	1017	1014	1017	1017	1021	1021	1021	1018	1018	1013	1008	1008	1012	1011	1009	1008	1012	1017	1017	1014	1013	1015	1017	1017	1015
6	1017	1016	1017	1021	1022	1024	1023	1021	1014	1012	1011	1008	1008	1012	1013	1013	1012	1015	1016	1022	1022	1025	1021	1022	1020	1017
7	1019	1017	1017	1017	1021	1022	1022	1022	1021	1015	1007	1005	1007	1015	1021	1017	1013	1003	1003	1017	1021	1016	1030	1025	1027	1017
8	1027	1012	1011	1016	1017	1021	1021	1021	1016	1007	997	993	996	1002	1008	1012	1016	1021	1022	1023	1023	1022	1021	1021	1021	1014
9	1021	1020	1016	1019	1020	1019	1023	1022	1019	1012	1001	1000	1002	1006	1011	1016	1017	1016	1021	1022	1022	1021	1021	1024	1021	1016
10 Q	1020	1020	1019	1020	1024	1025	1026	1025	1021	1015	1009	1006	1006	1007	1015	1020	1024	1026	1029	1029	1023	1022	1023	1025	1024	1020
11	1024	1022	1023	1025	1028	1030	1031	1030	1029	1020	1012	1009	1010	1016	1020	1024	1026	1025	1025	1026	1022	1023	1021	1023	1021	**1023**
12 D	1021	1022	1021	1022	1026	1029	1030	1028	1030	1024	1016	1009	1012	1020	1022	1022	1006	1005	1000	1001	1015	1010	1030	1013	1011	1018
13	1010	1010	1013	1014	1016	1024	1025	1025	1020	1008	1005	1002	1002	1004	1009	1010	1014	1018	1014	1015	1014	1015	1008	1013	1011	1013
14	1011	1013	1014	1015	1017	1019	1020	1020	1010	1002	994	994	996	1001	1006	1009	1014	1020	1020	1021	1021	1019	1016	1020	1019	1012
15 Q	1019	1018	1017	1015	1019	1021	1024	1024	1022	1013	1009	1006	1004	1005	1006	1015	1019	1023	1023	1021	1021	1022	1021	1021	1020	1017
16	1019	1018	1018	1017	1018	1022	1023	1024	1024	1022	1019	1018	1016	1014	1014	1014	1008	1016	1014	1019	1016	1014	1007	1009	1009	1017
17	1009	1021	1018	1017	1017	1018	1019	1021	1015	1017	1015	1013	1013	1012	1013	1013	1014	1018	1018	1019	1018	1016	1014	1017	1018	1016
18	1017	1018	1018	1020	1022	1022	1026	1023	1020	1017	1018	1020	1020	1018	1017	1017	1017	1022	1021	1019	1022	1021	1021	1018	1018	1020
19	1018	1021	1014	1026	1026	1019	1020	1021	1021	1017	1013	1012	1016	1018	1017	1016	1015	1017	1018	1018	1019	1021	1021	1018	1018	1018
20 Q	1017	1017	1017	1018	1020	1021	1021	1018	1015	1011	1006	1006	1007	1012	1017	1020	1018	1020	1021	1021	1021	1021	1021	1021	1019	1017
21	1019	1018	1021	1021	1022	1023	1023	1021	1018	1021	1021	1021	1025	1025	1021	1025	1026	1025	1025	1028	1021	1020	1022	1025	1022	1022
22 D	1021	1024	1020	1020	1019	1020	1021	1020	1019	1016	1012	1013	1013	1016	1020	1021	1024	1024	1023	1021	1007	1011	1004	996	996	1016
23	996	1000	1012	1009	1010	1011	1015	1015	1015	1013	1006	1006	1009	1007	1008	1008	1014	1017	1018	1019	1016	1016	1015	1016	1016	1012
24	1015	1014	1014	1014	1014	1015	1019	1019	1016	1014	1010	1010	1014	1018	1019	1016	1013	1015	1015	1017	1014	1015	1019	1018	1018	1015
25 Q	1018	1016	1017	1018	1019	1019	1020	1019	1018	1014	1010	1012	1015	1017	1018	1015	1015	1018	1019	1019	1018	1018	1018	1019	1019	1017
26	1018	1018	1018	1018	1019	1021	1023	1023	1023	1017	1013	1009	1008	1013	1015	1014	1013	1014	1014	1014	1015	1014	1012	1013	1014	1016
27 D	1014	1017	1017	1022	1018	1026	1033	1043	1043	1041	1024	1018	1017	1013	1003	998	999	997	998	983	999	1007	1014	1012	1027	1015
28	1026	1014	1011	1009	1014	1011	1009	1012	1004	1003	998	1007	1002	1004	1002	1002	1003	1009	1009	1007	1008	1008	1013	1021	1016	1008
29 D	1016	1012	1012	1014	1021	1021	1037	1027	1017	1008	999	996	997	990	1002	1013	1010	1007	1014	1013	1016	1012	1016	1032	1014	1013
30	1013	1015	1023	1036	1016	1015	1017	1014	1003	992	1003	1006	1003	996	1006	1011	1015	1016	1017	1015	1010	1018	1014	1013	1010	1012
Mean †	1017	1017	1016	1018	1019	1021	**1022**	1021	1018	1012	1007	**1006**	1007	1009	1012	1013	1014	1016	1017	1017	1017	1018	1017	1018	1017	1015

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

252. Eskdalemuir. (—Y.) **November, 1923.**

4,000 γ (·04 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	638	639	653	639	637	640	640	640	638	642	651	661	668	669	662	656	652	652	654	651	651	647	641	648	646	**649**
2 D	646	649	642	647	650	643	664	714	681	662	655	662	656	655	655	650	647	649	648	646	642	605	590	612	606	648
3	605	614	621	637	642	648	642	644	640	638	645	649	647	655	653	649	645	642	643	642	640	636	639	641	641	641
4	641	640	641	645	640	637	639	638	637	636	642	649	650	648	647	642	646	646	646	645	642	641	641	640	640	642
5 Q	640	640	641	642	642	641	641	640	639	639	642	648	652	654	652	648	647	651	646	645	640	638	640	640	641	644
6	641	642	645	642	641	641	641	640	640	641	649	652	656	657	653	651	652	651	650	645	646	645	644	644	644	646
7	644	646	643	645	644	644	643	640	639	637	643	653	657	661	659	653	657	664	662	650	645	636	601	612	628	645
8	628	638	646	642	645	644	640	638	634	630	636	646	651	655	653	652	651	650	648	645	645	644	644	644	643	644
9	643	643	644	644	641	650	640	638	630	631	639	650	658	658	653	650	650	646	646	646	645	639	635	641	639	644
10 Q	639	644	645	650	651	650	649	645	639	636	640	647	654	658	657	655	652	650	649	649	646	640	642	640	640	647
11	639	640	644	644	647	645	644	644	643	637	640	646	653	659	655	650	650	648	648	647	644	639	642	635	638	645
12 D	638	644	644	648	647	643	642	641	637	639	643	645	655	659	654	655	655	657	650	636	617	617	593	611	627	640
13	627	637	639	644	645	644	642	642	641	640	647	654	660	662	661	656	647	653	641	645	633	622	610	608	634	642
14	634	642	644	645	645	643	643	640	635	635	642	649	654	654	653	646	645	644	644	638	639	639	639	639	642	643
15 Q	642	640	641	644	644	644	643	642	640	637	641	647	651	651	648	645	644	644	644	643	643	643	643	643	643	644
16	643	643	643	645	644	644	644	643	643	640	644	649	654	651	650	650	646	645	645	644	644	636	625	627	631	643
17	631	640	635	635	641	643	643	641	639	639	645	650	651	651	650	649	649	645	645	643	643	640	636	635	638	643
18	637	642	642	643	644	645	643	643	640	642	644	651	653	649	649	645	649	648	648	648	643	643	642	639	642	645
19	642	640	636	637	635	642	642	642	642	643	645	651	654	653	649	645	644	644	643	643	642	642	642	642	642	643
20 Q	642	644	644	643	644	643	642	639	638	640	645	655	655	655	649	643	643	643	643	642	641	639	639	639	639	644
21	639	639	643	644	647	646	643	642	642	641	648	654	651	649	648	648	652	652	652	648	643	642	643	642	639	646
22 D	639	639	642	642	640	642	642	641	639	638	641	645	648	651	648	648	649	659	657	659	656	634	636	601	600	642
23	600	609	628	638	639	642	640	640	638	635	638	645	652	652	650	646	644	644	643	642	641	638	638	638	638	639
24	638	638	638	638	639	643	638	637	638	634	640	646	653	653	648	644	644	644	643	640	638	638	638	639	642	641
25 Q	641	643	643	642	643	642	642	641	638	639	643	648	649	649	647	644	647	643	642	642	641	636	633	636	634	642
26	*	—	—	—	—	—	—	—	—	—	*	644	648	653	650	649	648	650	648	647	643	642	634	623	625	—
27 D	625	627	630	635	642	642	642	644	647	649	647	647	652	658	657	660	651	637	636	621	620	609	623	636	615	**639**
28	615	628	627	640	643	649	653	661	659	652	647	645	647	651	642	646	646	645	644	643	637	632	618	606	628	641
29 D	628	628	639	642	643	663	648	650	647	641	640	645	651	640	652	650	648	640	643	639	639	628	616	619	635	641
30	635	635	651	633	633	637	638	643	647	643	630	645	646	645	645	650	647	643	643	642	637	635	633	632	632	641
Mean †	634	638	640	642	643	644	643	645	642	640	643	649	653	**654**	652	649	648	648	646	644	641	635	**631**	632	634	643

* Burner sooted up. † Mean of 29 days; 26th omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

253. Eskdalemuir. (Z.) **November, 1923.**

44,000 γ (·44 C.G.S. unit) +

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	963	955	951	952	960	964	964	967	967	967	964	960	963	963	965	967	964	964	963	963	963	963	963	960	959	962
2 D	960	956	957	957	956	957	958	948	949	956	960	958	965	968	969	972	972	972	970	969	971	969	965	961	957	962
3	958	945	935	947	953	951	956	958	961	964	962	964	966	966	966	968	966	966	965	965	965	966	966	965	963	960
4	963	962	962	961	961	961	961	961	962	961	961	961	965	966	966	968	966	966	965	965	965	965	965	965	965	964
5 Q	966	964	964	962	962	962	962	962	962	959	957	957	956	958	962	963	961	965	965	966	967	967	966	966	966	963
6	966	963	962	962	962	962	962	963	963	963	962	962	962	963	962	963	963	963	963	966	966	965	966	965	964	963
7	965	964	964	964	963	963	963	963	963	964	964	964	964	963	966	965	966	968	971	972	970	971	974	966	957	**966**
8	957	959	962	963	963	963	963	963	964	965	963	963	967	971	971	970	967	964	963	963	963	963	964	964	964	964
9	965	964	964	964	964	962	961	963	964	965	965	965	965	968	969	970	969	968	967	965	964	965	965	964	964	965
10 Q	964	964	964	964	961	961	961	961	962	964	962	962	964	964	965	965	964	964	962	961	962	962	961	961	961	963
11	961	961	960	960	960	960	958	957	957	959	957	957	960	960	961	961	961	962	961	961	961	960	960	960	960	960
12 D	961	958	961	961	959	961	958	958	957	957	954	956	955	957	960	962	964	968	972	977	974	969	960	957	957	961
13	957	957	957	958	961	961	961	961	961	961	958	958	958	961	962	963	966	966	967	965	969	967	964	963	960	962
14	960	958	958	959	960	960	961	961	961	960	959	957	959	963	965	966	966	965	965	965	965	962	963	962	961	962
15 Q	962	962	962	962	962	963	963	962	962	963	962	962	963	964	966	965	964	964	963	962	962	962	962	962	962	963
16	962	962	962	962	962	962	962	962	959	959	956	956	957	958	959	962	965	966	966	964	965	966	967	966	964	962
17	964	959	956	958	958	959	962	962	962	959	958	958	959	962	962	962	962	962	962	962	962	962	962	963	962	961
18	963	961	960	959	959	959	959	959	959	959	955	955	956	958	959	959	959	959	959	959	959	961	963	963	962	959
19	962	959	959	957	957	957	957	959	959	959	955	955	957	959	963	961	960	959	959	959	959	960	960	960	960	959
20 Q	960	960	959	959	959	959	960	961	961	963	958	957	957	959	961	961	959	959	959	959	959	959	959	959	960	959
21	961	960	960	958	958	958	958	958	957	956	953	953	956	959	960	960	956	957	957	957	960	960	960	960	960	958
22 D	960	958	957	957	957	956	956	956	956	956	956	955	956	958	961	960	960	958	960	960	·967	972	975	980	978	961
23	978	971	967	964	964	964	962	961	960	960	958	957	957	957	960	963	964	961	961	960	960	960	960	960	960	962
24	961	961	961	961	961	959	958	958	958	958	957	957	957	961	963	963	964	962	961	961	961	961	959	959	960	960
25 Q	960	958	958	958	958	957	957	957	957	957	954	955	957	960	962	962	961	961	959	959	959	959	958	959	957	957	958
26	957	955	955	956	957	955	954	954	954	954	954	954	954	954	955	958	958	958	958	958	958	957	958	961	961	956
27 D	961	957	957	954	954	953	951	948	945	944	946	946	947	949	951	957	964	968	969	980	976	972	963	950	938	956
28	938	938	941	943	947	949	950	950	952	953	950	954	957	958	961	962	962	961	962	962	962	963	963	958	954	954
29 D	955	955	955	953	951	947	943	943	950	951	951	955	955	963	962	961	962	962	962	960	959	960	959	951	946	955
30	946	948	946	938	936	943	947	949	950	951	950	951	954	957	959	959	958	959	955	958	959	955	955	954	954	**952**
Mean †	961	959	958	958	958	958	958	958	959	959	**957**	958	959	961	963	963	963	963	963	964	**964**	964	963	961	960	961

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

254. Eskdalemuir. **November, 1923.**

Day.	Terrestrial Magnetic Force. North Component. Maximum 15,000 γ +		Minimum 15,000 γ +		Range.	West Component. Maximum 4,000 γ +		Minimum 4,000 γ +		Range.	Vertical Component. Maximum ·44,000 γ +		Minimum 44,000 γ +		Range.	Character Figures.§ ΣR^2	Character Figures.§ ρ	Magnetic Character of Day (0–2).	Temperature in Magnet House 200 +.
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	$100\gamma^2$			*a.*
1	18 32	1029	989	1 41	40	12 41	672	623	1 11	49	7 47	967	947	2 18	20	·44	0·79	1	87·5
2	21 22	**1082**	**941**	9 48	**141**	6 55	**728**	**564**	21 48	**164**	16 38	973	945	7 10	28	476	8·51	2	87·5
3	1 29	1028	977	11 37	51	13 3	659	603	0 59	56	15 0	969	**931**	1 40	38	72	1·28	1	87·3
4	6 20	1022	998	11 53	24	13 13	653	635	8 30	18	15 20	969	961	10 0	8	10	0·17	0	87·4
5	6 45	1022	1004	15 49	18	12 36	657	637	20 40	20	20 50	967	955	11 50	12	9	0·16	0	87·3
6	21 28	1027	982	12 23	45	13 7	658	635	18 32	23	18 40	967	961	11 8	6	26	0·46	0	87·3
7	22 14	1040	993	17 25	47	18 0	670	588	22 30	82	21 55	975	955	24 0	20	93	1·67	1	87·3
8	19 25	1025	992	11 30	33	14 18	657	625	0 37	32	14 50	972	955	0 10	17	24	0·43	0	87·3
9	23 0	1027	999	11 0	28	12 34	662	629	8 48	33	14 28	971	960	5 33	11	20	0·36	0	87·3
10	19 16	1030	1003	11 40	27	14 19	660	635	9 0	25	14 30	965	960	6 40	5	14	0·25	0	87·3
11	6 34	1033	1007	11 21	26	13 32	666	633	23 15	33	17 5	963	956	7 40	7	18	0·32	0	87·1
12	21 40	1066	988	18 38	78	13 10	666	573	22 13	93	19 20	978	953	10 0	25	154	2·75	1	87·1
13	6 9	1029	995	15 50	34	13 6	668	599	22 30	69	20 0	970	957	1 45	13	61	1·09	1	87·1
14	19 50	1024	990	10 16	34	13 24	657	630	0 6	27	15 10	966	957	1 0	9	20	0·35	0	87·0
15	7 15	1025	1002	12 29	23	12 20	653	636	9 13	**17**	14 30	966	962	24 0	**4**	8	0·15	0	87·0
16	6 18	1025	1003	16 9	22	12 10	655	620	21 38	35	21 55	967	955	9 52	12	19	0·33	0	87·1
17	1 10	1034	1008	0 10	26	13 50	652	630	0 12	22	22 0	964	955	1 20	9	12	0·22	0	87·1
18	5 55	1027	1016	13 56	**11**	11 48	654	637	23 15	**17**	22 50	963	955	10 20	8	5	0·08	0	87·1
19	3 4	1027	1012	10 43	15	12 15	655	632	1 30	23	13 53	963	955	10 31	8	8	0·15	0	87·1
20	22 53	1022	1005	11 34	17	11 58	656	638	8 42	18	9 0	963	956	11 10	7	7	0·12	0	86·9
21	16 58	1047	1007	19 32	40	16 52	662	637	9 8	25	0 1	961	951	10 42	10	23	0·42	0	86·9
22	16 49	1034	986	22 30	48	19 41	670	594	23 3	76	23 10	980	954	11 10	26	88	1·57	1	86·9
23	23 11	1021	987	0 29	34	12 22	659	604	1 20	55	0 1	978	956	11 40	22	47	0·83	1	86·9
24	22 0	1023	1009	10 42	14	12 52	654	634	9 10	20	14 20	965	957	12 50	8	7	0·12	0	86·9
25	23 27	1033	1009	10 28	24	11 50	652	630	23 43	22	14 10	962	954	10 0	8	11	0·20	0	86·8
26	7 30	1023	1004	12 3	19	13 20	653	621	23 32	32	23 50	961	953	8 5	8	14	0·26	0	86·8
27	7 59	1051	976	18 43	75	14 58	667	601	20 50	66	19 3	**982**	937	23 50	**45**	120	2·15	1	86·7
28	22 27	1041	992	9 58	49	7 18	665	599	22 22	66	21 59	965	937	0 1	28	75	1·35	1	86·7
29	21 43	1066	978	12 30	88	5 17	682	609	21 50	73	13 25	968	940	5 33	28	139	2·48	1	86·7
30	2 32	1044	987	8 40	57	2 11	660	620	2 59	40	13 59	962	935	3 50	27	56	1·00	1	86·7
Mean.	—	1034	995	—	40	—	663	618	—	44	—	968	952	—	16	56	—	0·43	87·1
No. of days used.	—	30	30	—	30	—	30	30	—	30	—	30	30	—	30	30	—	30	30

† Mean of 29 days; 26th omitted. § For explanation *see* page 105.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

TERRESTRIAL MAGNETIC FORCE: NORTH COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

255. Eskdalemuir. (X.) 15,000 γ (·15 C.G.S. unit) + **December, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1010	1007	1006	1015	1011	1010	1011	1016	1016	1007	1010	1006	1005	1010	1011	1015	1015	1016	1020	1017	1016	1016	1015	1014	1011	1012
2 Q	1010	1010	1010	1014	1015	1015	1015	1014	1011	1010	1010	1010	1009	1007	1010	1014	1015	1016	1016	1014	1014	1015	1015	1015	1015	1013
3	1015	1015	1015	1015	1016	1019	1020	1020	1016	1014	1010	1010	1010	1010	1013	1011	1010	1010	1015	1019	1015	1015	1016	1019	1018	1015
4	1017	1019	1018	1019	1021	1020	1031	1030	1022	1012	1009	985	986	989	991	998	1006	1008	1013	1014	1005	1004	1007	1013	1010	1010
5	1010	1009	1008	1009	1015	1018	1014	1010	1010	1007	1004	1005	1008	1009	1014	1014	1013	1009	1010	1013	1011	1013	1014	1013	1010	1011
6	1009	1016	1013	1011	1013	1016	1018	1017	1016	1013	1003	1002	1003	1009	1013	1017	1017	1018	1019	1017	1013	1015	1011	1011	1012	1013
7 Q	1012	1012	1012	1016	1018	1018	1017	1017	1017	1013	1007	1003	1008	1014	1018	1021	1021	1022	1021	1022	1022	1019	1021	1014	1012	1016
8	1011	1014	1017	1017	1021	1026	1025	1021	1020	1012	1010	1007	1008	1011	1015	1020	1024	1027	1027	1026	1025	1023	1021	1018	1019	1019
9	1017	1016	1015	1015	1018	1022	1025	1026	1025	1020	1014	1011	1013	1020	1022	1010	1006	994	1000	1007	987	993	996	998	1001	1011
10	1001	1009	1015	1015	1020	1021	1021	1021	1016	1007	996	1001	1002	1008	1006	1001	1006	1007	1008	1014	1002	1004	1006	1007	1006	1009
11	1005	1012	1005	1001	1009	1016	1019	1016	1015	1014	1009	1000	999	999	1001	1005	1009	1013	1015	1015	1012	1010	1010	1011	1015	1009
12	1015	1014	1014	1014	1015	1018	1025	1024	1020	1018	1015	1014	1011	1011	1012	1014	1015	1015	1011	1009	1009	1011	1014	1020	1023	1015
13	1022	1015	1017	1019	1023	1023	1027	1023	1018	1014	1010	1000	1002	999	1013	1010	1014	1013	1000	1005	1002	1007	1010	1011	1012	1012
14	1011	1013	1027	1013	1016	1014	1012	1017	1014	1012	1013	1013	1005	992	985	1004	1016	1014	1014	1009	1014	1014	1014	1013	1013	1011
15	1013	1031	1012	1012	1014	1015	1017	1017	1014	1016	1012	1012	1013	1014	1013	1007	1014	1021	1018	1012	1003	1009	1012	1012	1032	1014
16	1031	1014	1012	1011	1011	1012	1016	1015	1013	1012	1012	1011	1008	1010	1012	1012	1012	1015	1016	1016	1016	1016	1014	1013	1012	1013
17 Q	1012	1012	1012	1012	1013	1016	1020	1020	1021	1019	1016	1016	1015	1016	1016	1016	1018	1020	1018	1018	1019	1018	1017	1017	1015	1017
18	1014	1012	1012	1015	1016	1016	1020	1020	1021	1020	1020	1020	1021	1024	1020	1020	1020	1019	1019	1029	1027	1025	1030	1019	1016	1020
19	1016	1020	1019	1017	1020	1023	1027	1029	1030	1029	1022	1020	1025	1018	1016	1015	1015	1011	1012	1016	1020	1017	1019	1017	1015	1020
20	1014	1014	1015	1015	1016	1018	1019	1021	1021	1020	1018	1015	1014	1014	1015	1018	1018	1019	1018	1013	1013	1015	1019	1016	1010	1017
21 Q	1010	1013	1011	1014	1018	1019	1019	1019	1022	1024	1019	1015	1006	1003	1010	1014	1013	1015	1018	1016	1019	1019	1019	1018	1020	1016
22 Q	1019	1014	1014	1015	1017	1018	1018	1018	1019	1015	1018	1018	1014	1013	1013	1014	1017	1020	1019	1019	1018	1018	1017	1015	1015	1017
23 D	1015	1018	1017	1018	1018	1022	1020	1019	1021	1019	1014	1017	1019	1023	1023	1025	1023	1020	1021	1003	985	993	1014	1018	1017	1016
24 D	1016	1015	1017	1017	1020	1023	1020	1024	1031	1027	1024	1003	994	984	1002	997	999	984	1007	1004	1006	1012	1013	1014	1016	1011
25 D	1016	1013	1014	1014	1018	1020	1022	1019	1016	1014	1012	1008	1002	999	1008	997	994	983	1002	1007	1017	1016	1010	1017	1021	1010
26 D	1021	1012	1022	1012	1002	1022	1019	1023	1023	1022	1005	980	998	997	969	988	988	989	1003	1009	1012	1051	1003	1003	1009	1007
27 D	1008	1035	1001	1006	996	1011	1011	1016	1011	1003	978	989	989	995	1004	1007	1011	1011	1011	1031	1024	1012	1015	1017	1022	1008
28	1022	1012	1004	1006	1003	1015	1016	1023	1018	1016	1003	994	997	997	1011	1011	1016	1020	1010	1004	1007	1020	1015	1011	1011	1010
29	1011	1011	1011	1010	1012	1013	1018	1018	1020	1021	1016	1011	1006	1006	1008	1014	1017	1017	1018	1018	1016	1015	1016	1025	1013	1015
30	1012	1014	1015	1015	1015	1015	1017	1018	1019	1019	1010	1011	1012	1015	1015	1015	1011	1017	1016	1015	1018	1016	1015	1015	1015	1015
31	1015	1012	1009	1014	1017	1019	1018	1016	1015	1011	1015	1007	1007	1010	1014	1015	1012	1013	1011	1014	1015	1017	1019	1018	1016	1014
Mean†	1014	1014	1013	1013	1014	1018	1019	**1019**	1018	1016	1011	1008	**1007**	1008	1010	1011	1013	1012	1014	1014	1013	1015	1014	1014	1015	1013

TERRESTRIAL MAGNETIC FORCE: WEST COMPONENT.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

256. Eskdalemuir. (—Y.) 4,000 γ (·04 C.G.S. unit) + **December, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	631	633	643	642	638	639	638	638	641	634	638	644	648	653	651	646	643	642	641	641	638	628	631	632	632	640
2 Q	632	637	639	638	638	639	639	638	638	638	639	643	648	649	648	642	642	638	638	637	631	639	639	638	639	640
3	639	638	642	642	644	642	641	639	638	637	640	643	649	650	651	649	643	643	642	641	641	637	633	635	637	642
4	637	641	641	642	646	647	649	650	652	648	648	648	657	659	673	661	646	632	632	642	639	623	632	632	633	**645**
5	633	634	633	639	637	631	632	634	637	634	638	644	645	650	648	648	648	648	646	638	642	638	637	637	637	640
6	636	633	634	635	638	641	639	641	638	636	638	644	649	653	651	646	645	640	640	640	637	635	628	631	633	639
7 Q	633	641	641	641	640	638	636	634	635	632	636	645	649	651	647	646	645	645	641	640	636	635	632	633	631	640
8	631	635	641	641	645	641	639	640	639	637	637	641	647	649	648	645	645	641	641	640	639	639	639	638	639	641
9	639	638	641	638	638	641	640	639	639	638	640	644	655	657	656	659	666	666	656	646	641	622	617	601	601	642
10	600	599	624	630	638	639	639	640	639	638	633	639	647	646	648	642	646	642	635	631	626	623	626	621	626	634
11	626	629	627	638	646	640	639	640	636	635	638	643	648	649	647	643	642	640	640	639	636	631	625	621	627	637
12	627	634	641	642	645	644	638	639	639	639	642	646	647	646	647	642	640	639	640	636	637	632	630	635	629	639
13	629	635	640	644	641	648	645	645	641	642	647	653	657	650	647	643	640	639	634	636	636	631	624	627	631	641
14	630	632	632	638	638	634	641	640	638	636	638	646	652	654	662	651	645	645	642	637	639	634	634	634	629	641
15	629	622	629	634	633	637	639	639	638	638	640	645	645	647	647	641	644	640	639	639	625	625	632	628	619	636
16	619	622	632	635	635	639	638	639	638	640	639	641	641	641	641	640	637	636	635	635	635	634	634	634	635	636
17 Q	635	636	639	640	639	639	638	638	638	637	639	640	640	644	641	639	638	638	638	638	637	634	636	635	634	638
18	634	635	636	639	639	639	638	638	638	638	638	639	643	645	644	643	639	639	638	642	642	631	625	637	634	638
19	633	631	628	633	633	641	638	641	640	638	639	643	645	645	645	643	639	629	628	631	632	633	631	632	629	636
20	629	638	638	639	638	637	637	637	636	630	636	640	645	647	644	639	637	637	637	636	633	633	629	628	629	637
21 Q	629	628	633	638	633	633	636	636	636	637	639	643	645	647	645	644	638	638	637	637	633	633	632	632	633	637
22 Q	633	633	634	633	634	636	636	634	633	635	635	642	644	643	642	639	638	638	637	637	634	632	633	633	633	636
23 D	633	632	635	636	637	637	636	634	633	632	633	638	644	648	648	647	648	652	646	640	595	624	629	631	634	636
24 D	634	635	638	638	637	638	638	638	641	635	644	639	641	638	656	652	647	627	636	639	627	624	623	622	618	637
25 D	617	628	632	637	634	636	637	635	633	628	629	635	638	640	643	640	626	631	635	633	605	628	622	610	614	630
26 D	614	621	642	623	644	638	633	638	637	641	639	647	655	656	618	648	643	615	623	632	596	573	591	615	616	**628**
27 D	616	629	629	633	651	644	640	647	639	637	627	627	635	634	642	638	612	630	633	602	620	628	629	625	622	631
28	622	623	623	639	645	631	632	634	632	633	633	631	636	639	646	646	639	610	624	633	624	621	628	628	632	632
29	632	634	635	638	634	633	636	635	632	635	636	635	635	639	644	642	637	637	631	631	630	627	626	625	629	634
30	628	631	631	631	632	633	633	630	631	631	638	642	642	643	641	637	636	632	631	620	613	629	630	630	630	632
31	630	632	642	632	631	630	631	632	630	631	636	639	643	648	647	642	639	637	637	631	629	631	630	630	631	635
Mean†	629	631	635	637	639	638	638	638	637	636	638	642	646	**647**	647	645	641	638	637	635	630	**629**	**629**	629	629	637

† Mean of 29 days, 3rd and 4th omitted.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for computation of Tables 271–276.

Mean values for periods of sixty minutes centred at the Hours of Greenwich Mean Time.

257. Eskdalemuir. (Z.) 44,000 γ (·44 C.G.S. unit) + **December, 1923.**

Hour G.M.T.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
Day.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	954	954	951	950	951	954	954	954	953	954	953	954	954	954	955	955	958	957	955	955	955	956	956	955	954	954
2 Q	955	955	955	955	955	955	955	956	955	955	951	951	951	955	955	955	955	955	955	955	955	956	956	956	956	955
3	956	955	955	955	954	955	955	955	955	955	*	—	—	—	—	—	—	—	—	—	—	—	—	—	*	—
4	*	—	—	—	—	—	—	—	—	*	952	952	953	956	953	959	960	961	960	956	958	962	961	960	957	—
5	957	956	956	953	949	946	949	952	952	952	952	953	953	953	956	956	956	956	957	959	959	959	958	957	957	954
6	958	957	954	954	953	953	953	953	953	955	954	954	957	957	958	957	957	957	955	954	956	955	957	958	957	**955**
7 Q	957	954	954	953	953	953	951	951	952	952	951	953	953	953	953	953	950	947	947	948	949	949	950	950	953	951
8	953	950	949	949	946	946	946	946	946	949	950	950	950	950	950	951	950	950	949	948	947	946	946	947	949	948
9	949	949	949	950	949	946	946	945	945	946	946	946	946	948	950	950	953	957	962	962	968	975	973	969	962	954
10	963	958	951	950	947	946	946	947	947	947	950	951	951	951	953	956	955	955	955	954	954	956	955	954	951	952
11	951	948	947	947	947	950	950	950	949	947	945	946	947	947	951	952	954	951	951	950	950	951	951	950	947	949
12	948	946	944	945	946	946	945	944	944	941	938	938	942	946	948	951	952	952	952	952	952	952	951	948	944	947
13	944	944	944	944	944	944	944	944	944	944	943	944	944	947	948	951	952	952	955	955	955	956	955	955	951	948
14	952	949	940	942	944	945	945	945	945	945	944	941	941	945	948	949	952	953	953	953	953	949	949	949	949	947
15	950	945	943	945	946	946	946	946	946	945	942	943	945	946	949	950	950	950	949	950	954	954	952	951	944	947
16	945	939	942	944	946	947	947	947	947	947*	943	944	946	945	946	947	947	948	948	947	947	947	947	947	947	946
17 Q	949	949	948	948	948	948	948	948	948	948	945	945	945	945	945	945	945	945	945	945	945	944	944	943	943	946
18	945	944	943	943	942	942	942	942	942	942	942	940	939	939	939	940	942	942	942	940	940	942	940	939	940	941
19	944	943	943	942	940	939	939	939	939	939	937	939	939	940	943	944	946	947	949	947	946	946	946	946	946	943
20	951	949	948	948	948	948	948	948	948	948	944	943	942	944	944	944	944	944	944	944	944	944	945	943	944	946
21 Q	950	947	948	946	946	946	946	946	945	943	943	942	943	947	947	947	948	948	947	947	947	947	947	947	947	946
22 Q	947	944	943	943	943	943	943	943	943	942	942	942	943	943	943	945	946	944	944	943	944	945	946	946	946	944
23 D	945	945	943	942	942	942	942	941	941	941	939	938	937	939	941	942	942	942	942	947	966	961	951	946	946	944
24 D	946	945	942	942	942	941	941	941	937	937	934	937	941	943	946	949	951	958	954	954	954	953	950	949	946	945
25 D	945	944	941	941	942	941	941	941	941	941	941	941	941	944	945	949	957	957	953	953	953	945	945	944	941	945
26 D	941	941	933	928	929	928	932	936	936	936	937	941	941	945	961	962	969	978	969	958	958	949	941	941	940	945
27 D	940	924	929	935	936	935	937	937	937	942	946	949	945	946	948	950	954	949	949	948	945	941	941	941	936	942
28	935	935	935	933	933	936	938	937	938	940	940	941	940	940	943	945	947	949	951	949	952	947	944	943	941	941
29	941	940	940	939	940	940	940	940	940	939	937	938	939	939	943	943	942	941	943	940	941	940	940	936	936	940
30	935	935	935	935	935	935	935	935	934	934	931	931	931	931	934	938	939	939	939	940	940	938	938	935	935	**935**
31	935	934	934	931	934	934	935	935	935	935	935	936	935	935	938	939	939	939	939	939	939	938	935	935	934	936
Mean†	948	946	944	944	944	944	944	944	944	944	**943**	944	944	945	948	949	950	950	950	950	**951**	950	949	948	946	946

DAILY EXTREMES OF EACH COMPONENT OF TERRESTRIAL MAGNETIC FORCE: MAGNETIC CHARACTER FIGURES: TEMPERATURE IN MAGNET HOUSE.

258. Eskdalemuir. **December, 1923.**

Day.	Terrestrial Magnetic Force: North Component. Maximum 15,000 γ +		North Component. Minimum 15,000 γ +		North Component. Range.	West Component. Maximum 4,000 γ +		West Component. Minimum 4,000 γ +		West Component. Range.	Vertical Component. Maximum 44,000 γ +		Vertical Component. Minimum 44,000 γ +		Vertical Component. Range.	Character Figures.§ ΣR²	Character Figures.§ ρ	Magnetic Character of Day (0—2).	Temperature in Magnet House 200 +.
	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	h. m.	γ	γ	h. m.	γ	100γ²			a.
1	15 28	1022	999	11 44	23	13 2	655	623	21 28	32	16 0	958	950	3 0	8	16	0·30	0	86·5
2	17 20	1019	1005	0 20	14	12 10	650	625	20 0	25	20 0	956	951	11 10	**5**	8	0·15	0	86·5
3	22 25	1023	1007	16 27	16	12 34	654	632	22 40	22	—	—	—	—	—	—	—	0	86·5
4	6 23	1037	976	11 13	61	13 35	**680**	607	21 16	73	21 20	964	950	9 43	14	92	1·69	1	86·5
5	4 55	1020	1003	10 10	17	17 3	653	628	1 59	25	21 38	960	945	5 2	15	11	0·21	0	86·5
6	1 3	1022	999	11 20	23	13 10	654	623	22 28	31	22 16	959	953	4 30	6	15	0·28	0	86·5
7	19 16	1023	1002	10 32	21	12 39	652	630	23 48	22	0 10	958	946	17 20	12	11	0·20	0	86·3
8	19 11	1031	1004	10 45	27	13 38	651	630	0 23	21	15 0	951	945	7 20	6	12	0·22	0	86·1
9	7 15	1030	967	20 13	63	16 26	676	596	22 40	80	20 20	977	944	7 20	33	115	2·10	1	86·1
10	18 29	1036	993	9 43	43	11 46	649	583	0 20	66	0 1	963	943	4 55	20	66	1·21	1	86·2
11	6 5	1019	995	3 13	24	12 19	652	619	22 49	33	15 50	955	945	9 50	10	18	0·32	0	86·0
12	23 52	1029	1007	19 55	22	13 33	651	626	0 30	25	18 35	953	937	10 32	16	14	0·25	0	85·9
13	5 42	1029	994	13 0	35	12 0	659	617	22 22	42	22 22	957	942	9 50	15	32	0·59	0	85·9
14	1 48	1036	979	13 42	57	14 8	666	618	2 18	48	19 4	953	938	2 0	15	58	1·06	1	85·9
15	23 43	1061	998	20 10	63	13 53	650	615	20 30	35	20 30	955	942	1 30	13	54	0·98	1	85·9
16	0 1	1026	1006	12 32	20	11 40	645	617	0 49	28	17 10	949	939	0 40	10	13	0·23	0	85·8
17	21 26	1028	1012	1 21	16	13 0	645	629	21 28	**16**	0 1	949	942	23 4	7	6	0·10	0	85·9
18	21 43	1054	1011	1 21	43	13 11	647	616	21 58	31	0 1	946	939	12 40	7	29	0·52	0	85·4
19	8 31	1034	1009	17 26	25	12 20	647	619	17 36	28	17 43	950	936	10 0	14	16	0·29	0	85·3
20	22 28	1039	1008	23 40	31	12 19	648	623	23 13	25	0 10	951	941	22 32	10	17	0·31	0	85·3
21	8 53	1025	1000	13 12	25	12 29	651	626	1 10	25	16 0	949	942	10 50	7	13	0·24	0	85·3
22	0 16	1027	1012	13 0	**15**	11 25	645	627	0 39	18	0 1	947	940	9 30	7	6	0·11	0	85·3
23	18 6	1031	965	20 40	66	17 10	654	558	19 50	96	19 58	968	937	11 20	31	145	2·66	1	85·2
24	8 29	1042	969	12 58	73	14 20	666	620	17 3	46	17 8	962	934	10 9	28	82	1·50	1	85·1
25	20 3	1037	973	16 48	64	14 42	650	578	19 51	72	16 50	959	940	9 55	19	96	1·76	1	85·1
26	20 51	**1090**	**936**	13 50	**154**	2 14	666	**530**	20 36	**136**	17 0	**982**	924	2 32	**58**	456	8·33	2	84·9
27	8 12 } 23 28 }	1047	963	10 18	84	4 30	658	596	15 52	62	16 3	957	**920**	1 14	37	123	2·24	1	84·9
28	20 39	1028	987	12 48	41	3 50	650	587	17 12	63	20 23	953	932	3 52	21	61	1·11	1	84·9
29	23 0	1032	992	12 33	40	14 33	648	617	21 45	31	14 40	944	935	23 40	9	26	0·48	0	84·7
30	7 53	1022	1006	16 12	16	13 24	647	609	19 51	38	19 40	941	930	12 40	11	18	0·33	0	84·7
31	4 49	1021	1002	2 0	19	2 19	653	626	19 11	27	17 40	939	930	2 35	9	12	0·21	0	84·7
Mean.	—	1033	998	—	40	—	654	611	—	43	—	955	940	—	16	55	—	0·39	85·7
No. of Days used.	—	31	31	—	31	—	31	31	—	31	—	30	30	—	30	30	—	31	31

* No trace; lights out of adjustment. † Mean of 29 days, 3rd and 4th omitted. § For explanation *see* page 105.

Q denotes an "International Quiet Day," while D denotes a disturbed day used for the computation of Tables 271–276.

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE.—"ALL" DAYS.

(Not corrected for the effect of the North Force on the West Magnetograph, or *vice versa*, or for the effect of the Horizontal Force on the V.F. Balance.)

Departures from mean of the day adjusted for non-cyclic change.

NORTH COMPONENT (*all days except Jan. 17, March 14, 15, April 27, 28, June 11, 12, 13, Oct. 12, 13, Nov. 26, Dec. 3, 4*).

259. Eskdalemuir. **1923.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 0·8	− 0·4	+ 0·1	+ 1·4	+ 3·9	+ **7·3**	+ 6·0	+ 5·2	+ 1·7	− 4·2	− 7·2	− **8·3**	− 5·2	− 2·0	− 1·5	− 1·1	− 0·9	− 1·3	+ 0·3	+ 0·8	+ 0·9	+ 2·8	+ 2·1	+ 0·2
Feb. ...	+ 3·7	+ 2·3	+ 3·4	+ 3·9	+ 8·1	+ **9·9**	+ 8·6	+ 5·1	− 0·9	− 9·3	− 11·9	− **14·3**	− 11·9	− 7·1	− 3·9	− 1·8	+ 0·4	+ 1·3	+ 2·3	− 0·4	+ 4·7	+ 4·8	+ 3·1	− 0·1
Mar. ...	+ 4·1	+ 3·9	+ 2·2	+ 4·2	+ 6·1	+ 7·7	+ 6·6	+ 2·5	− 4·1	− 14·2	− 19·3	− **20·0**	− 17·3	− 11·0	− 2·9	− 1·0	+ 2·1	+ 4·4	+ 6·0	+ 6·6	+ 8·3	+ **9·7**	+ 8·1	+ 7·1
April ...	+ 8·7	+ 5·6	+ 3·9	+ 4·7	+ 8·2	+ 10·1	+ 6·6	+ 0·3	− 10·2	− 23·3	− **29·6**	− 28·4	− 22·0	− 13·5	− 7·4	− 1·4	+ 7·4	+ 9·1	+ 12·3	+ 11·9	+ 13·1	+ **13·3**	+ 10·2	+ 10·4
May ...	+ 2·8	+ 2·1	+ 3·7	+ 3·6	+ 4·0	+ 2·6	− 1·6	− 6·2	− 11·9	− 20·1	− **23·4**	− 20·4	− 16·8	− 9·8	− 3·7	+ 2·4	+ 11·9	+ **17·4**	+ 15·2	+ 12·5	+ 10·1	+ 8·9	+ 10·3	+ 6·3
June ...	+ 6·3	+ 4·2	+ 4·6	+ 5·0	+ 5·7	+ 4·5	+ 0·1	− 5·7	− 13·3	− 21·6	− **27·7**	− 25·3	− 19·3	− 10·5	− 2·2	+ 2·1	+ 10·2	+ 14·3	+ **15·9**	+ 15·0	+ 12·1	+ 9·1	+ 7·8	+ 8·6
July ...	+ 5·8	+ 3·5	+ 3·6	+ 3·3	+ 4·3	+ 3·5	− 0·8	− 5·5	− 11·6	− 16·7	− 20·3	− **20·9**	− 15·2	− 9·3	− 4·6	− 0·4	+ 5·2	+ 12·1	+ **14·6**	+ 13·4	+ 10·1	+ 9·4	+ 9·1	+ 7·5
Aug. ...	+ 6·7	+ 6·0	+ 6·6	+ 5·5	+ 7·2	+ 5·4	− 0·1	− 6·8	− 15·3	− 23·3	− **25·4**	− 21·1	− 16·2	− 9·0	− 1·8	+ 2·5	+ 7·0	+ 9·8	+ 12·3	+ **13·0**	+ 9·9	+ 9·5	+ 8·8	+ 8·7
Sept. ...	+ 4·4	+ 6·1	+ 6·2	+ 7·8	+ 7·2	+ 5·8	+ 1·1	− 2·7	− 11·0	− 22·0	− **24·7**	− 23·0	− 16·7	− 8·8	− 3·0	+ 0·1	+ 4·1	+ 7·9	+ 9·6	+ 10·5	+ 10·1	+ **10·6**	+ 10·5	+ 10·0
Oct. ...	+ 6·2	+ 7·1	+ 4·2	+ 7·7	+ 7·4	+ 8·1	+ **8·5**	+ 1·4	− 7·9	− 15·1	− **17·1**	− 16·8	− 14·3	− 10·3	− 3·4	− 1·3	+ 3·5	+ 2·5	+ 4·2	+ 5·7	+ 6·0	+ 4·2	+ 4·5	+ 5·0
Nov. ...	+ 1·7	+ 0·9	+ 2·5	+ 3·6	+ 5·6	+ **6·4**	+ 5·7	+ 2·6	− 2·9	− 8·3	− **9·2**	− 8·6	− 6·3	− 3·7	− 2·1	− 1·3	+ 0·3	+ 1·3	+ 1·9	+ 1·4	+ 2·6	+ 1·8	+ 2·5	+ 1·8
Dec. ...	+ 1·4	− 0·1	0·0	+ 1·3	+ 4·5	+ 5·6	+ **5·9**	+ 5·1	+ 2·3	− 2·5	− 5·9	− **6·1**	− 5·7	− 3·5	− 2·2	− 0·9	− 1·3	0·0	+ 0·5	− 1·2	+ 1·1	+ 0·5	+ 0·4	+ 0·7
Year ...	+ 4·3	+ 3·4	+ 3·4	+ 4·3	+ 6·0	+ 6·4	+ 3·9	− 0·4	− 7·1	− 15·1	− **18·5**	− 17·8	− 13·9	− 8·2	− 3·2	− 0·2	+ 4·2	+ 6·6	+ **7·9**	+ 7·4	+ 7·4	+ 7·0	+ 6·5	+ 5·5
Winter ...	+ 1·5	+ 0·7	+ 1·5	+ 2·6	+ 5·5	+ **7·3**	+ 6·5	+ 4·5	0·0	− 6·1	− 8·5	− **9·3**	− 7·3	− 4·1	− 2·4	− 1·3	− 0·4	+ 0·3	+ 1·3	+ 0·1	+ 2·3	+ 2·5	+ 2·0	+ 0·6
Equinox ...	+ 5·9	+ 5·7	+ 4·1	+ 6·1	+ 7·2	+ 7·9	+ 5·7	+ 0·3	− 8·3	− 18·6	− **22·7**	− 22·1	− 17·6	− 10·9	− 4·2	− 0·9	+ 4·3	+ 6·0	+ 8·0	+ 8·7	+ 9·4	+ **9·4**	+ 8·3	+ 8·1
Summer ...	+ 5·4	+ 4·0	+ 4·6	+ 4·3	+ 5·3	+ 4·0	− 0·6	− 6·0	− 13·0	− 20·4	− **24·2**	− 21·9	− 16·9	− 9·6	− 3·1	+ 1·7	+ 8·6	+ 13·4	+ **14·5**	+ 13·5	+ 10·5	+ 9·2	+ 9·0	+ 7·8

WEST COMPONENT (*all days except Jan. 17, March 14, 15, April 27, 28, June 11, 12, 13, Oct. 12, 13, Nov. 26, Dec. 3, 4*).

260. Eskdalemuir. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 4·0	− 1·5	− 2·4	− 0·4	− 0·1	+ 0·1	− 0·1	− 0·6	− 2·3	− 0·9	+ 2·6	+ 8·1	+ **11·7**	+ 10·9	+ 8·1	+ 5·4	+ 3·5	+ 1·9	− 0·6	− 3·2	− 8·0	− **11·3**	− 10·5	− 6·8
Feb. ...	− 4·1	− 4·3	− 3·8	− 3·8	− 3·2	− 2·4	0·0	− 2·1	− 4·0	− 1·0	+ 4·3	+ 10·5	+ 15·6	+ **16·3**	+ 11·5	+ 8·7	+ 4·5	− 0·4	− 2·4	− 5·9	− 8·3	− 8·1	− **9·2**	− 8·5
Mar. ...	− 4·6	− 5·6	− 7·3	− 5·8	− 5·0	− 5·5	− 7·3	− 10·0	− **11·1**	− 6·2	+ 4·3	+ 16·7	+ **23·2**	+ 22·2	+ 18·4	+ 12·8	+ 5·8	− 1·4	− 0·8	− 1·8	− 5·5	− 8·9	− 9·5	− 7·2
April ...	− 5·5	− 7·4	− 5·6	− 5·1	− 3·8	− 7·9	− 14·3	− 20·4	− **22·3**	− 15·1	− 0·9	+ 14·9	+ 26·4	+ **28·3**	+ 22·7	+ 16·5	+ 11·0	+ 6·7	+ 3·1	− 1·5	− 3·2	− 6·7	− 5·6	− 4·1
May ...	− 4·8	− 4·0	− 7·1	− 9·0	− 13·3	− 16·1	− 18·3	− **19·3**	− 17·0	− 10·6	+ 0·3	+ 12·2	+ 18·3	+ **20·7**	+ 19·1	+ 16·5	+ 15·1	+ 11·2	+ 7·3	+ 3·6	+ 1·3	+ 0·7	− 0·8	− 5·8
June ...	− 2·5	− 3·6	− 4·2	− 6·8	− 13·1	− 17·9	− 22·6	− **24·1**	− 23·3	− 16·0	− 4·7	+ 9·4	+ 18·4	+ 23·3	+ **24·1**	+ 20·3	+ 17·1	+ 12·0	+ 7·5	+ 5·3	+ 3·8	+ 0·3	− 0·8	− 1·8
July ...	− 2·5	− 5·6	− 8·5	− 8·6	− 11·1	− 16·7	− 19·3	− **20·5**	− 19·4	− 13·0	− 2·9	+ 10·0	+ 18·1	+ **22·1**	+ 20·1	+ 15·9	+ 11·4	+ 11·5	+ 9·0	+ 5·9	+ 4·8	+ 2·4	− 1·3	− 2·0
Aug. ...	− 5·1	− 4·8	− 6·7	− 9·2	− 12·5	− 16·3	− **18·7**	− 18·5	− 15·5	− 7·6	+ 4·4	+ 16·9	+ **23·9**	+ 23·6	+ 18·9	+ 12·3	+ 7·2	+ 5·1	+ 4·3	+ 3·7	+ 1·0	− 0·3	− 2·8	− 3·4
Sept. ...	− 10·3	− 6·7	− 7·4	− 5·5	− 4·3	− 6·6	− 12·0	− **14·4**	− 13·4	− 5·3	+ 5·4	+ 18·1	+ **23·6**	+ 21·5	+ 17·5	+ 11·5	+ 8·3	+ 3·5	+ 1·8	+ 0·7	− 3·7	− 6·1	− 8·1	− 8·3
Oct. ...	− 7·9	− 6·3	− 4·8	− 1·8	+ 1·6	+ 1·8	− 0·3	− 6·2	− 8·8	− 3·2	+ 5·5	+ 15·6	+ **19·9**	+ 18·7	+ 15·2	+ 6·6	+ 0·7	+ 3·0	− 1·5	− 6·4	− 10·5	− **13·7**	− 9·6	− 7·5
Nov. ...	− 5·4	− 2·6	− 1·2	− 0·4	+ 1·0	+ 0·1	+ 1·5	− 1·4	− 3·3	+ 0·3	+ 6·3	+ 9·9	+ **10·7**	+ 8·5	+ 5·9	+ 5·0	+ 4·3	+ 3·2	+ 0·5	− 2·5	− 8·0	− **12·1**	− 11·3	− 8·9
Dec. ...	− 5·7	− 1·7	0·0	+ 1·7	+ 1·2	+ 0·7	+ 1·1	+ 0·2	− 0·9	+ 0·7	+ 4·5	+ 8·6	+ **10·0**	+ 9·9	+ 7·5	+ 4·0	+ 0·5	+ 0·1	− 1·6	− 7·2	− **8·5**	− **8·5**	− 8·4	− 8·3
Year ...	− 5·2	− 4·5	− 4·9	− 4·6	− 5·2	− 7·2	− 9·2	− 11·4	− **11·8**	− 6·5	+ 2·4	+ 12·6	+ 18·3	+ **18·9**	+ 15·7	+ 11·3	+ 7·5	+ 4·7	+ 2·2	− 0·8	− 3·7	− 6·0	− 6·5	− 6·1
Winter ...	− 4·8	− 2·5	− 1·8	− 0·7	− 0·3	− 0·3	+ 0·6	− 1·0	− 2·6	− 0·2	+ 4·4	+ 9·3	+ **12·0**	+ 11·4	+ 8·3	+ 5·8	+ 3·2	+ 1·2	− 1·0	− 4·7	− 8·2	− **10·0**	− 9·9	− 8·1
Equinox ...	− 7·1	− 6·5	− 6·3	− 4·5	− 2·9	− 4·6	− 8·5	− 12·8	− **13·9**	− 7·5	+ 3·5	+ 16·3	+ **23·3**	+ 22·7	+ 18·5	+ 11·9	+ 6·5	+ 2·9	+ 0·7	− 2·3	− 5·7	− 8·8	− 8·2	− 6·8
Summer ...	− 3·7	− 4·5	− 6·6	− 8·4	− 12·5	− 16·8	− 19·8	− **20·6**	− 18·8	− 11·8	− 0·7	+ 12·1	+ 19·7	+ **22·4**	+ 20·5	+ 16·3	+ 12·7	+ 9·9	+ 7·0	+ 4·6	+ 2·7	+ 0·8	− 1·4	− 3·2

VERTICAL COMPONENT (*all days except Jan. 17, March 14, 15, April 27, 28, June 11, 12, 13, Oct. 12, 13, Nov. 26, Dec. 3, 4*).

261. Eskdalemuir. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 0·7	− 1·9	− 2·9	− 3·0	− 3·9	− **4·1**	− 3·7	− 3·2	− 3·0	− 2·8	− 3·0	− 2·6	− 1·7	+ 0·9	+ 2·8	+ 3·5	+ 3·8	+ 4·5	+ **4·9**	+ 4·8	+ 4·6	+ 3·8	+ 2·1	+ 0·6
Feb. ...	− 3·0	− 2·9	− **6·3**	− 4·8	− 4·1	− 4·1	− 4·0	− 3·2	− 2·0	− 2·1	− 3·4	− 3·9	− 2·7	− 0·1	+ 4·7	+ 6·6	+ 7·7	+ **7·9**	+ 7·3	+ 7·3	+ 4·9	+ 1·6	+ 0·5	− 2·2
Mar. ...	− 5·1	− 7·1	− 6·4	− 5·5	− 4·0	− 3·3	− 1·9	− 1·2	− 1·2	− 3·6	− 6·3	− **8·5**	− 6·0	− 0·8	+ 3·9	+ 8·8	+ **12·4**	+ 11·5	+ 9·2	+ 8·6	+ 6·3	+ 1·6	+ 0·2	− 1·3
April ...	− 3·7	− 3·1	− 3·2	− 2·6	− 2·2	− 0·5	+ 2·1	+ 2·2	+ 0·1	− 4·0	− 8·0	− **10·8**	− 9·7	− 4·2	+ 1·7	+ 5·0	+ 7·2	+ 8·7	+ **8·8**	+ 8·5	+ 5·6	+ 3·8	+ 1·1	− 2·8
May ...	− 2·4	− 3·6	− 2·8	− 1·0	+ 0·2	+ 0·2	+ 0·5	− 1·6	− 4·9	− 7·9	− 10·2	− **11·9**	− 9·0	− 4·3	+ 0·3	+ 3·9	+ 7·3	+ **11·5**	+ 11·3	+ 10·3	+ 7·7	+ 5·3	+ 2·1	− 1·0
June ...	− 1·8	− 2·7	− 2·1	− 1·6	− 1·7	− 1·8	− 0·9	− 0·8	− 3·4	− 7·0	− 9·4	− **10·1**	− 7·7	− 4·5	+ 0·4	+ 5·8	+ 9·5	+ **11·1**	+ 10·6	+ 8·5	+ 5·7	+ 2·7	+ 1·5	− 0·4
July ...	− 1·8	− 3·2	− 2·7	− 1·5	− 1·3	− 0·7	+ 0·6	− 0·4	− 1·9	− 4·9	− 6·3	− 7·7	− 6·3	− 3·7	− 1·3	+ 2·5	+ 6·0	+ 7·1	+ **7·6**	+ 7·4	+ 6·0	+ 4·0	+ 1·7	+ 0·6
Aug. ...	+ 0·1	− 0·5	− 0·6	− 0·2	+ 0·4	+ 0·4	+ 0·8	+ 0·1	− 2·6	− 5·6	− 9·0	− **10·6**	− 8·4	− 3·3	+ 1·8	+ 4·6	+ **6·4**	+ 6·1	+ 5·3	+ 4·8	+ 4·3	+ 3·0	+ 2·1	+ 0·7
Sept. ...	− 4·5	− **8·3**	− 5·3	− 3·8	− 3·6	− 2·1	+ 1·6	+ 1·3	− 0·6	− 2·6	− 4·9	− 6·3	− 4·9	− 0·6	+ 3·3	+ 6·6	+ 8·4	+ **9·0**	+ 7·1	+ 6·9	+ 6·0	+ 2·4	− 1·7	− 3·3
Oct. ...	− 6·8	− 6·5	− 7·3	− **7·7**	− 6·4	− 6·2	− 4·0	− 0·5	+ 0·9	− 1·4	− 2·9	− 2·7	− 0·3	+ 4·1	+ 8·7	+ **12·8**	+ 12·4	+ 10·7	+ 7·9	+ 5·6	+ 1·9	0·0	− 4·5	− 7·7
Nov. ...	− 2·3	− 2·9	− 3·0	− 2·6	− 2·4	− 2·3	− 2·4	− 2·1	− 1·5	− **3·1**	− 3·0	− 1·4	+ 0·7	+ 2·2	+ 3·0	+ 2·9	+ 3·1	+ 2·9	+ 3·3	+ **3·7**	+ 3·4	+ 2·9	+ 1·2	− 0·3
Dec. ...	− 1·5	− 2·8	− 3·0	− 3·0	− 2·9	− 2·6	− 2·3	− 2·5	− 2·3	− **3·3**	− 2·7	− 2·3	− 1·0	+ 1·2	+ 2·5	+ 3·8	+ 4·2	+ 4·0	+ 3·5	+ **4·6**	+ 3·7	+ 2·7	+ 1·8	+ 0·5
Year ...	− 2·8	− 3·8	− 3·8	− 3·1	− 2·7	− 2·3	− 1·1	− 1·0	− 1·9	− 4·0	− 5·8	− **6·6**	− 4·7	− 1·1	+ 2·7	+ 5·6	+ 7·3	+ **7·9**	+ 7·3	+ 6·8	+ 5·0	+ 2·8	+ 0·7	− 1·4
Winter ...	− 1·9	− 2·6	− **3·8**	− 3·3	− 3·3	− 3·3	− 3·1	− 2·7	− 2·2	− 2·8	− 3·0	− 2·6	− 1·2	+ 1·1	+ 3·3	+ 4·2	+ 4·7	+ 4·8	+ 4·8	+ **5·1**	+ 4·2	+ 2·7	+ 1·4	− 0·3
Equinox ...	− 5·0	− 6·3	− 5·5	− 4·9	− 4·1	− 3·0	− 0·5	+ 0·5	− 0·2	− 2·9	− 5·5	− **7·1**	− 5·2	− 0·4	+ 4·4	+ 8·3	+ **10·1**	+ 10·0	+ 8·3	+ 7·4	+ 4·9	+ 1·9	− 1·2	− 3·8
Summer ...	− 1·5	− 2·5	− 2·1	− 1·1	− 0·6	− 0·5	+ 0·3	− 0·7	− 3·2	− 6·3	− 8·7	− **10·1**	− 7·8	− 3·9	+ 0·3	+ 4·2	+ 7·3	+ **8·9**	+ 8·7	+ 7·7	+ 5·9	+ 3·7	+ 1·9	0·0

DIURNAL INEQUALITIES OF THE MAGNETIC COMPONENTS, DECLINATION, INCLINATION, AND HORIZONTAL FORCE.—"ALL" DAYS.

Departures from mean of the day adjusted for non-cyclic change.

DECLINATION (measured positive towards the West) (*all days except Jan. 17, March 14, 15, April 27, 28, June 11, 12, 13, Oct. 12, 13, Nov. 26, Dec. 3, 4*).

262. Eskdalemuir. **1923.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−0·74	−0·27	−0·47	−0·17	−0·23	−0·39	−0·37	−0·42	−0·54	+0·07	+0·93	+2·07	**+2·62**	+2·28	+1·69	+1·14	+0·75	+0·46	−0·13	−0·68	−1·63	**−2·40**	−2·20	−1·36
Feb. ...	−1·03	−0·99	−0·95	−0·98	−1·10	−1·04	−0·49	−0·72	−0·74	+0·34	+1·54	+2·91	**+3·78**	+3·65	+2·49	+1·84	+0·87	−0·15	−0·61	−1·14	−1·91	−1·89	**−2·01**	−1·67
Mar. ...	−1·15	−1·34	−1·57	−1·39	−1·33	−1·53	−1·83	−2·12	−1·96	−0·41	+1·97	+4·47	**+5·59**	+5·03	+3·81	+2·59	+1·03	−0·53	−0·50	−0·74	−1·56	−2·32	**−2·34**	−1·84
April ...	−1·59	−1·79	−1·34	−1·28	−1·23	−2·16	−3·21	**−4·06**	−3·83	−1·65	+1·52	+4·58	**+6·50**	+6·39	+4·93	+3·34	+1·76	+0·80	−0·09	−0·99	−1·39	−2·10	−1·69	−1·42
May ...	−1·11	−0·92	−1·61	−2·00	−2·87	−3·33	**−3·59**	−3·46	−2·68	−0·93	+1·41	+3·59	+4·60	**+4·67**	+3·99	+3·13	+2·30	+1·21	+0·57	0·00	−0·32	−0·38	−0·75	−1·50
June ...	−0·85	−0·95	−1·09	−1·63	−2·92	−3·81	**−4·48**	−4·44	−3·85	−1·92	+0·66	+3·33	+4·76	**+5·21**	+4·89	+3·89	+2·80	+1·54	+0·57	+0·18	+0·05	−0·46	−0·61	−0·85
July ...	−0·83	−1·31	−1·89	−1·88	−2·44	−3·51	**−3·77**	−3·73	−3·16	−1·62	+0·60	+3·18	+4·45	**+4·91**	+4·23	+3·17	+1·96	+1·58	+0·94	+0·40	+0 36	−0·06	−0·77	−0·82
Aug. ...	−1·40	−1·30	−1 70	−2·14	−2·88	−3·54	**−3·70**	−3·27	−2·18	−0·16	+2·33	+4·56	**+5·66**	+5·18	+3·84	+2·29	+1·03	+0·45	+0·15	−0·01	−0·36	−0·60	−1·05	−1·17
Sept. ...	−2·29	−1·67	−1·81	−1·53	−1·26	−1·64	−2·44	**−2·69**	−2·01	+0·21	+2·48	+4·91	**+5·63**	+4·77	+3·63	+2·28	+1·41	+0·23	−0·20	−0·46	−1·32	−1·80	−2·20	−2·21
Oct. ...	−1·92	−1·65	−1·20	−0·80	−0·11	−0·10	−0·55	−1·31	−1·28	+0·23	+2·07	+4·05	**+4·75**	+4·30	+3·20	+1·38	−0·07	+0·46	−0·53	−1·60	−2·44	**−2·95**	−2·17	−1·78
Nov. ...	−1·16	−0·57	−0·38	−0·29	−0·12	−0·35	−0·38	−0·43	−0·49	+0·54	+1·77	+2·45	**+2·47**	+1·89	+1·30	+1·07	+0·83	+0·55	−0·01	−0·57	−1·73	**−2·49**	−2·38	−1·87
Dec. ...	−1·21	−0·33	0·00	+0·27	−0·02	−0·17	−0·12	−0·25	−0·31	+0·29	+1·23	+2·05	**+2·31**	+2·17	+1·61	+0·84	+0·17	+0·01	−0·36	−1·35	**−1·75**	−1·72	−1·69	−1·68
Year ...	−1·27	−1·09	−1·17	−1·15	−1·38	−1·80	−2·08	**−2·24**	−1·92	−0·42	+1·54	+3·51	**+4·43**	+4·20	+3·30	+2·25	+1·24	+0·55	−0·02	−0·58	−1·17	−1·60	−1·65	−1·51
Winter ...	−1·03	−0·54	−0·45	−0·29	−0·37	−0·49	−0·34	−0·45	−0·52	+0·31	+1·37	+2·37	**+2·79**	+2·50	+1·77	+1·22	+0·65	+0·22	−0·28	−0·93	−1·75	**−2·13**	−2·07	−1·65
Equinox ...	−1·74	−1·61	−1·48	−1·25	−0·98	−1·36	−2·01	**−2·55**	−2·27	−0·41	+2·01	+4·50	**+5·62**	+5·12	+3·89	+2·40	+1·03	+0·24	−0·33	−0·95	−1·68	−2·29	−2·10	−1·81
Summer ...	−1·05	−1·12	−1·57	−1·91	−2·78	−3·55	**−3·89**	−3·73	−2·97	−1·16	+1·25	+3·67	+4·87	**+4·99**	+4·24	+3·12	+2·02	+1·19	+0·56	+0·14	−0·07	−0·37	−0·79	−1·09

INCLINATION (*all days except Jan. 17, March 14, 15, April 27, 28, June 11, 12, 13, Oct. 12, 13, Nov. 26, Dec. 3, 4*).

263. Eskdalemuir. **1923.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	+0·11	+0·01	−0·03	−0·16	−0·35	**−0·58**	−0·48	−0·41	−0·14	+0·22	**+0·34**	+0·32	+0·07	−0·05	+0·01	+0·06	+0·09	+0·16	+0·11	+0·13	+0·21	+0·12	+0·11	+0·13
Feb. ...	−0·24	−0·14	−0·31	−0·30	−0·56	**−0·69**	−0·66	−0·37	+0·09	+0·57	+0·60	**+0·63**	+0·41	+0·15	+0·15	+0·12	+0·08	+0·12	+0·08	+0·32	−0·03	−0·12	−0·01	+0·11
Mar. ...	−0·31	−0·33	−0·17	−0·30	−0·40	**−0·48**	−0·33	0·00	+0·44	+0·94	**+1·01**	+0·76	+0·53	+0·27	−0·07	+0·05	+0·06	+0·03	−0·14	−0·17	−0·28	−0·41	−0·34	−0·36
April ...	−0·55	−0·30	−0·22	−0·27	−0·51	−0·51	−0·11	+0·42	+1·08	+1·69	**+1·73**	+1·28	+0·68	+0·24	+0·09	−0·10	−0·51	−0·50	−0·63	−0·53	−0·64	−0·64	−0·52	**−0·67**
May ...	−0·15	−0·15	−0·18	−0·09	0·00	+0·14	+0·47	+0·72	+0·97	**+1·30**	+1·25	+0·79	+0·51	+0·14	−0·11	−0·37	−0·87	**−1·05**	−0·84	−0·62	−0·49	−0·46	−0·60	−0·32
June ...	−0·41	−0·27	−0·27	−0·23	−0·16	0·00	+0·40	+0·80	+1·21	+1·52	**+1·64**	+1·21	+0·71	+0·13	−0·30	−0·37	−0·74	−0·87	**−0·90**	−0·86	−0·71	−0·53	−0·45	−0·53
July ...	−0·37	−0·20	−0·14	−0·09	−0·10	+0·07	+0·43	+0·73	+1·06	+1·20	**+1·20**	+0·97	+0·49	+0·09	−0·11	−0·21	−0·40	−0·82	**−0·92**	−0·79	−0·59	−0·55	−0·52	−0·43
Aug. ...	−0·34	−0·31	−0·31	−0·19	−0·22	−0·03	+0·38	+0·79	+1·21	**+1·51**	+1·33	+0·78	+0·39	+0·05	−0·19	−0·28	−0·43	−0·58	−0·75	**−0·79**	−0·55	−0·53	−0 46	−0·48
Sept. ...	−0·21	−0·48	−0·40	−0·50	−0·47	−0·30	+0·20	+0·48	+0·95	**+1·45**	+1·37	+0·99	+0·51	+0·15	−0·05	−0·06	−0·21	−0·35	−0·47	−0·52	−0·43	−0·51	−0·57	**−0·57**
Oct. ...	−0·42	−0·50	−0·36	−0·66	−0·67	**−0·71**	−0·65	+0·01	+0·70	**+1·00**	+0·93	+0·73	+0·54	+0·42	+0·15	+0·28	+0·07	+0·05	−0·05	−0·11	−0·15	−0·01	−0·22	−0·37
Nov. ...	−0·06	−0·08	−0·22	−0·29	−0·44	**−0·47**	−0·45	−0·19	+0·21	**+0·45**	+0·40	+0·34	+0·22	+0·14	+0·10	+0·06	−0·03	−0·07	−0·05	+0·05	+0·07	+0·18	+0·08	+0·04
Dec. ...	−0·02	−0·03	−0·08	−0·19	−0·39	−0·44	**−0·46**	−0·39	−0·19	+0·07	**+0·23**	+0·18	+0·15	+0·07	+0·06	+0·08	+0·18	+0·09	+0·08	+0·33	+0·18	+0·19	+0·18	+0·12
Year ...	−0·25	−0·23	−0·22	−0·27	−0·36	−0·33	−0·11	+0·22	+0·63	+0·99	**+1·00**	+0·75	+0·43	+0·15	−0·02	−0·06	−0·23	−0·32	**−0·37**	−0·30	−0·28	−0·27	−0·28	−0·28
Winter ...	−0·05	−0·06	−0·16	−0·23	−0·43	**−0·55**	−0·51	−0·34	−0·01	+0·33	**+0·39**	+0·37	+0·21	+0·08	+0·08	+0·08	+0·08	+0·07	+0·05	+0·21	+0·11	+0·09	+0·09	+0·10
Equinox ...	−0·37	−0·40	−0·29	−0 43	**−0·51**	−0·50	−0·22	+0·23	+0·79	**+1·27**	+1·26	+0·94	+0·57	+0·27	+0·03	+0·04	−0·15	−0·19	−0·32	−0·33	−0·37	−0·39	−0·41	−0·49
Summer ...	−0·32	−0·23	−0·23	−0·15	−0·12	+0·05	+0·42	+0·76	+1·11	**+1·38**	+1·35	+0·94	+0·53	+0·10	−0·18	−0·31	−0·61	−0·83	**−0·85**	−0·77	−0·59	−0·52	−0·51	−0·44

HORIZONTAL FORCE (*all days except Jan. 17, March 14, 15, April 27, 28, June 11, 12, 13, Oct. 12, 13, Nov. 26, Dec. 3, 4*).

264. Eskdalemuir. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 1·9	− 0·8	− 0·6	+ 1·3	+ 3·7	**+ 7·0**	+ 5·7	+ 4·9	+ 1·0	− 4·3	**− 6·1**	− 5·7	− 1·7	+ 1·1	+ 0·8	+ 0·5	+ 0·1	− 0·7	+ 0·1	− 0·1	− 1·4	− 0·5	− 0·9	− 1·7
Feb. ...	+ 2·4	+ 1·0	+ 2·2	+ 2·7	+ 6·9	**+ 8·8**	+ 8·2	+ 4·3	− 2·0	− 9·2	−10·2	**−10·8**	− 7·1	− 2·2	− 0·5	+ 0·7	+ 1·6	+ 1·2	+ 1·6	− 2·0	+ 2·2	+ 2·4	+ 0·4	− 2·5
Mar. ...	+ 2·7	+ 2·2	+ 0·1	+ 2·4	+ 4·4	+ 5·9	+ 4 3	− 0·4	− 7·0	−15·4	**−17·3**	−14·5	−10·1	− 4·4	+ 2·4	+ 2·6	+ 3·7	+ 3·9	+ 5·5	+ 5·8	+ 6·5	**+ 6·8**	+ 5·2	+ 4·8
April ...	+ 6·8	+ 3·3	+ 2·1	+ 3·1	+ 6·8	+ 7·5	+ 2·4	− 5·5	−16·0	−26·6	**−28·7**	−23·1	−13·7	− 5·1	− 0·7	+ 3·3	+10·2	+10·6	**+12·7**	+11·0	+11·7	+10·9	+ 8·2	+ 8·8
May ...	+ 1·4	+ 0·9	+ 1·6	+ 0·9	+ 0·1	− 2·0	− 6·7	−11·3	−16·2	−22·2	**−22·4**	−16·2	−11·0	− 3·6	+ 1·8	+ 6·9	+15·7	**+19·8**	+16·6	+13·0	+10·1	+ 8·7	+ 9·7	+ 4·4
June ...	+ 5·3	+ 3·1	+ 3·2	+ 2·9	+ 1·8	− 0·7	− 6·2	−12·2	−19·3	−25·2	**−27·9**	−21·7	−13·4	− 3·6	+ 4·6	+ 7·7	+14·5	+17·1	**+17·4**	+15·9	+12·6	+ 8·8	+ 7·3	+ 7·8
July ...	+ 4·9	+ 1·8	+ 1·1	+ 0·7	+ 1·0	− 1·3	− 6·1	−11·0	−16·5	−19·7	**−20·3**	−17·3	− 9·6	− 2·7	+ 1·2	+ 4·0	+ 8·2	+14·8	**+16·5**	+14·5	+11·0	+ 9·7	+ 8·4	+ 6·7
Aug. ...	+ 5·0	+ 4·4	+ 4·4	+ 2·7	+ 3·4	+ 0·6	− 5·3	−11·7	−19·0	**−24·5**	−23·2	−15·6	− 8·9	− 2·0	+ 3·6	+ 5·9	+ 8·7	+10·9	+13·1	**+13·5**	+ 9·8	+ 9·0	+ 7·7	+ 7·4
Sept. ...	+ 1·4	+ 4·0	+ 3·9	+ 6·0	+ 5·7	+ 3·7	− 2·3	− 6·7	−14·3	**−22·6**	−22·3	−17·1	− 9·5	− 2·5	+ 2·0	+ 3·3	+ 6·3	+ 8·5	+ 9·7	**+10·3**	+ 8·7	+ 8·5	+ 7·8	+ 7·3
Oct. ...	+ 3·8	+ 5·1	+ 2·7	+ 6·9	+ 7·5	**+ 8·2**	+ 8·1	− 0·4	−10·1	**−15·4**	−14·8	−11·8	− 8·2	− 4·7	+ 0·9	+ 0·6	+ 3·6	+ 3·2	+ 3·6	+ 3·7	+ 2·9	+ 0·2	+ 1·6	+ 2·7
Nov. ...	+ 0·1	+ 0·1	+ 2·1	+ 3·3	+ 5·6	**+ 6·2**	+ 5·8	+ 2·1	− 3·7	**− 7·9**	− 7·1	− 5·5	− 3·1	− 1·2	− 0·4	+ 0·2	+ 1·5	+ 2·1	+ 2·0	+ 0·7	+ 0·3	− 1·6	− 0·7	− 0·7
Dec. ...	− 0·3	− 0·6	0·0	+ 1·7	+ 4·7	+ 5·6	**+ 6·0**	+ 4·9	+ 2·0	− 2·2	**− 4·4**	− 3·5	− 2·7	− 0·6	0·0	+ 0·2	− 1·1	+ 0·1	+ 0·1	− 3·2	− 1·3	− 1·9	− 2·0	− 1·6
Year ...	+ 2·6	+ 2·0	+ 1·9	+ 2·9	+ 4·3	+ 4·1	+ 1·2	− 3·6	−10·1	−16·3	**−17·1**	−13·6	− 8·3	− 2·6	+ 1·3	+ 3·0	+ 6·1	+ 7·6	**+ 8·2**	+ 6·9	+ 6·1	+ 5·1	+ 4·3	+ 3·6
Winter ...	+ 0·1	− 0·1	+ 0·9	+ 2·3	+ 5·2	**+ 6·9**	+ 6·4	+ 4·1	− 0·7	− 5·9	**− 6·9**	− 6·4	− 3·7	− 0·7	0·0	+ 0·4	+ 0·5	+ 0·7	+ 0·9	− 1·1	− 0·1	− 0·4	− 0·8	− 1·6
Equinox ...	+ 3·7	+ 3·7	+ 2·2	+ 4·6	+ 6·1	+ 6·3	+ 3·1	− 3·3	−11·9	−20·0	**−20·8**	−16·6	−10·4	− 4·2	+ 1·1	+ 2·5	+ 5·9	+ 6·5	**+ 7·9**	+ 7·7	+ 7·5	+ 6·6	+ 5·7	+ 5·9
Summer ...	+ 4·1	+ 2·5	+ 2·6	+ 1·8	+ 1·6	− 0·9	− 6·1	−11·5	−17·7	−22·9	**−23·5**	−17·7	−10·7	− 3·0	+ 2·8	+ 6·1	+11·8	+15·7	**+15·9**	+14·2	+10·9	+ 9·1	+ 8·3	+ 6·6

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE.—INTERNATIONAL QUIET DAYS.

Departures from mean of the day adjusted for non-cyclic change.

NORTH COMPONENT (*Quiet Days*).

265. Eskdalemuir. **1923.**

Month and Season.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15	16.	17.	18.	19.	20.	21.	22.	23.	24.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 1·2	− 1·4	− 1·4	+ 0·1	+ 1·7	+ 3·5	+ **4·5**	+ 3·2	+ 0·4	− 4·2	− **5·6**	− 4·3	− 3·3	− 0·5	− 0·9	0·0	+ 0·6	+ 1·6	+ 2·6	+ 2·7	+ 0·3	+ 0·7	+ 0·5	+ 0·4
Feb. ...	+ 2·3	+ 1·6	+ 1·3	+ 1·4	+ 3·1	+ **6·9**	+ 6·8	+ 4·1	− 2·2	− 7·3	− 13·6	− **13·6**	− 9·5	− 5·6	− 2·3	0·0	+ 2·5	+ 3·5	+ 4·2	+ 3·9	+ 4·0	+ 3·7	+ 2·8	+ 2·0
Mar. ...	+ 2·9	+ 3·1	+ 3·2	+ 4·3	+ 3·2	+ 7·3	+ **8·4**	+ 5·9	+ 1·2	− 6·3	− 13·0	− **15·3**	− 14·0	− 10·3	− 4·3	− 3·2	+ 0·3	+ 1·0	+ 2·9	+ 3·4	+ 4·1	+ 4·6	+ 4·7	+ 4·0
April ...	+ 7·1	+ 4·6	+ 4·8	+ 6·2	+ 7·5	+ 6·7	+ 4·7	− 0·6	− 11·6	− 24·4	− **28·7**	− 26·5	− 18·5	− 9·6	− 2·2	+ 3·8	+ 7·9	+ 9·7	+ **12·7**	+ 10·8	+ 9·6	+ 9·2	+ 7·7	+ 8·7
May ...	+ 3·8	+ 2·3	+ 2·8	+ 3·2	+ 4·7	+ 4·2	+ 1·7	− 3·7	− 9·6	− 19·9	− **25·2**	− 22·8	− 15·7	− 9·8	− 1·5	+ 4·3	+ 8·4	+ 12·7	+ **14·4**	+ 11·0	+ 10·1	+ 8·0	+ 8·9	+ 7·7
June ...	+ 5·8	+ 5·0	+ 5·9	+ 7·0	+ 7·7	+ 6·2	+ 1·1	− 5·3	− 12·4	− 20·5	− **25·6**	− 25·3	− 20·6	− 13·1	− 1·9	+ 2·8	+ 9·5	+ 12·6	+ **13·3**	+ 12·1	+ 11·8	+ 9·3	+ 7·2	+ 7·3
July ...	+ 6·5	+ 5·6	+ 6·0	+ 5·7	+ 5·7	+ 2·8	− 0·2	− 4·9	− 11·5	− 16·8	− **20·2**	− 18·1	− 13·3	− 8·4	− 5·0	− 2·7	+ 3·5	+ 7·8	+ 12·0	+ **13·3**	+ 9·1	+ 8·0	+ 8·0	+ 7·3
Aug. ...	+ 4·7	+ 4·9	+ 4·6	+ 4·0	+ 5·9	+ 6·9	+ 2·6	− 4·0	− 13·6	− 21·7	− **25·7**	− 23·4	− 17·4	− 10·3	− 2·1	+ 4·9	+ 9·6	+ 11·2	+ 11·9	+ **13·1**	+ 11·1	+ 8·0	+ 7·4	+ 7·5
Sept. ...	+ 6·6	+ 6·6	+ 6·6	+ 6·6	+ 6·3	+ 7·3	+ 5·3	+ 0·3	− 8·0	− 19·6	− **24·0**	− 22·8	− 15·7	− 11·1	− 5·3	− 2·5	+ 2·6	+ 5·0	+ 8·4	+ 9·8	+ 8·9	+ **10·7**	+ 9·3	+ 8·7
Oct. ...	+ 3·5	+ 4·6	+ 4·1	+ 4·1	+ 4·0	+ 4·7	+ 3·5	+ 0·4	− 7·1	− 15·7	− **17·8**	− 15·9	− 9·9	− 7·4	− 4·5	− 0·1	+ 3·8	+ 5·5	+ 7·1	+ 6·8	+ 7·1	+ **7·3**	+ 6·4	+ 5·5
Nov. ...	+ 1·1	+ 0·2	+ 0·9	+ 3·1	+ 4·6	+ **5·6**	+ 4·5	+ 1·8	− 2·8	− 7·7	− **9·5**	− 9·2	− 6·7	− 3·9	− 1·6	− 0·6	+ 2·3	+ 4·3	+ 3·8	+ 1·7	+ 1·5	+ 1·8	+ 2·8	+ 1·9
Dec. ...	− 2·1	− 2·6	− 0·3	+ 1·6	+ 2·5	+ **2·9**	+ 2·6	+ 2·9	+ 1·0	− 1·3	− 3·0	− **5·1**	− 5·1	− 2·4	− 0·1	+ 0·8	+ 2·5	+ 2·1	+ 1·4	+ 1·9	+ 1·2	+ 1·1	− 1·0	− 1·5
Year ...	+ 3·4	+ 2·9	+ 3·2	+ 3·9	+ 4·9	+ 5·4	+ 3·8	0·0	− 6·3	− 13·8	− **17·7**	− 16·9	− 12·5	− 7·7	− 2·6	+ 0·6	+ 4·5	+ 6·4	+ **7·9**	+ 7·5	+ 6·6	+ 6·0	+ 5·4	+ 4·9
Winter ...	0·0	− 0·5	+ 0·1	+ 1·5	+ 3·0	+ **4·7**	+ 4·6	+ 3·0	− 0·9	− 5·1	− 7·9	− **8·1**	− 6·1	− 3·1	− 1·2	0·0	+ 2·0	+ 2·9	+ 3·0	+ 2·5	+ 1·7	+ 1·8	+ 1·3	+ 0·7
Equinox ...	+ 5·0	+ 4·7	+ 4·7	+ 5·3	+ 5·7	+ 6·5	+ 5·5	+ 1·5	− 6·4	− 16·5	− **20·9**	− 20·1	− 14·5	− 9·6	− 4·1	− 0·5	+ 3·6	+ 5·3	+ 7·8	+ 7·7	+ 7·4	+ **7·9**	+ 7·0	+ 6·7
Summer ...	+ 5·2	+ 4·5	+ 4·9	+ 4·9	+ 6·0	+ 5·0	+ 1·3	− 4·5	− 11·8	− 19·7	− **24·2**	− 22·4	− 16·8	− 10·4	− 2·6	+ 2·3	+ 7·8	+ 11·1	+ **12·9**	+ 12·4	+ 10·5	+ 8·3	+ 7·9	+ 7·4

WEST COMPONENTS (*Quiet Days*).

266. Eskdalemuir. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 3·4	− 2·3	− 1·3	+ 1·2	+ 0·5	− 0·5	− 1·6	− 2·5	− 4·9	− 3·6	+ 0·7	+ 6·3	+ **10·0**	+ 9·3	+ 5·1	+ 4·0	+ 3·3	+ 1·9	+ 1·2	− 1·9	− 5·1	− **6·4**	− 5·9	− 4·5
Feb. ...	− 2·4	− 2·3	− 2·1	− 2·2	− 2·1	− 2·2	− 4·0	− 4·5	− **7·6**	− 5·9	+ 0·1	+ 5·8	+ **9·9**	+ 9·8	+ 7·1	+ 1·5	+ 1·6	+ 1·9	+ 2·1	+ 1·2	+ 0·1	− 0·6	− 1·3	− 3·9
Mar. ...	− 2·7	− 2·8	− 2·8	− 3·1	− 4·3	− 4·1	− 5·9	− 9·6	− **11·0**	− 8·4	− 0·7	+ 10·3	+ **16·5**	+ 15·0	+ 11·4	+ 4·0	− 0·1	+ 0·7	+ 1·1	+ 0·8	− 0·2	− 0·6	− 1·5	− 1·9
April ...	− 3·5	− 4·6	− 4·6	− 4·3	− 7·0	− 9·0	− 14·3	− 20·7	− **22·2**	− 14·1	− 2·3	+ 12·4	+ **21·2**	+ 20·7	+ 15·1	+ 12·0	+ 9·3	+ 7·1	+ 4·4	+ 4·0	+ 2·1	+ 1·6	− 0·8	− 2·5
May ...	− 0·7	− 3·5	− 4·9	− 7·9	− 11·5	− 15·7	− 18·9	− **19·1**	− 17·3	− 11·9	− 1·1	+ 9·5	+ 16·9	+ **17·3**	+ 13·7	+ 11·1	+ 11·1	+ 11·1	+ 9·3	+ 2·7	+ 3·5	+ 3·1	+ 2·7	+ 1·3
June ...	+ 3·0	+ 0·5	− 5·1	− 8·3	− 13·2	− 17·6	− 19·8	− **22·9**	− 22·1	− 16·1	− 6·0	+ 7·4	+ 16·2	+ 18·9	+ **20·5**	+ 15·9	+ 11·4	+ 8·0	+ 7·2	+ 5·3	+ 4·9	+ 4·1	+ 4·8	+ 3·0
July ...	− 0·6	− 2·1	− 3·0	− 5·8	− 10·9	− 16·0	− 17·9	− **18·7**	− 16·4	− 12·5	− 4·0	+ 10·2	+ 17·3	+ **19·4**	+ 14·7	+ 10·3	+ 7·2	+ 5·9	+ 7·6	+ 5·6	+ 5·1	+ 3·2	+ 1·7	− 0·3
Aug. ...	− 5·0	− 5·4	− 5·9	− 7·1	− 10·6	− 15·8	− 17·1	− **17·3**	− 15·8	− 10·0	+ 3·5	+ 15·7	+ **22·8**	+ 21·8	+ 16·9	+ 10·7	+ 6·8	+ 3·8	+ 4·5	+ 4·3	+ 2·8	+ 2·0	− 0·9	− 4·3
Sept. ...	− 2·4	− 3·1	− 4·1	− 5·4	− 6·6	− 9·6	− 12·3	− **17·9**	− 16·6	− 12·0	+ 0·9	+ 14·9	+ **20·1**	+ 19·8	+ 14·0	+ 7·5	+ 4·5	+ 3·1	+ 4·0	+ 2·4	+ 1·5	+ 0·3	− 0·5	− 2·4
Oct. ...	− 3·6	− 2·4	− 2·2	− 3·0	− 3·0	− 4·0	− 5·6	− 9·6	− **11·8**	− 4·8	+ 4·2	+ 11·4	+ **14·8**	+ 12·6	+ 6·6	+ 2·0	+ 2·2	+ 1·8	+ 1·4	+ 0·8	+ 0·6	− 0·8	− 3·6	− 4·8
Nov. ...	− 2·5	− 1·8	− 0·3	+ 0·3	− 0·4	− 1·0	− 2·9	− 5·5	− **6·0**	− 1·9	+ 4·9	+ 8·2	+ **9·4**	+ 6·7	+ 3·1	+ 2·8	+ 2·5	+ 1·1	+ 0·6	− 1·3	− 4·3	− 4·0	− 3·8	− 3·9
Dec. ...	− 2·3	− 0·2	+ 0·5	− 0·7	− 0·6	− 0·7	− 1·7	− 1·8	− 2·1	− 0·3	+ 4·6	+ 7·1	+ **8·7**	+ 6·4	+ 3·7	+ 1·9	+ 1·0	− 0·3	− 0·7	− 4·4	− 4·1	− 4·3	− 4·6	− **4·9**
Year ...	− 2·2	− 2·5	− 3·0	− 3·9	− 5·8	− 8·0	− 10·2	− 12·5	− **12·8**	− 8·5	+ 0·4	+ 9·9	+ **15·3**	+ 14·8	+ 11·0	+ 7·0	+ 5·1	+ 3·9	+ 3·5	+ 1·6	+ 0·6	− 0·2	− 1·1	− 2·4
Winter ...	− 2·7	− 1·7	− 0·8	− 0·3	− 0·7	− 1·1	− 2·5	− 3·5	− **5·1**	− 2·9	+ 2·6	+ 6·9	+ **9·5**	+ 8·1	+ 4·7	+ 2·5	+ 2·1	+ 1·1	+ 0·8	− 1·6	− 3·3	− 3·9	− 3·9	− 4·3
Equinox ...	− 3·0	− 3·2	− 3·4	− 3·9	− 5·2	− 6·7	− 9·5	− 14·4	− **15·4**	− 9·8	+ 0·5	+ 12·3	+ **18·2**	+ 17·0	+ 11·8	+ 6·4	+ 4·0	+ 3·2	+ 2·7	+ 2·0	+ 1·0	+ 0·1	− 1·6	− 2·9
Summer ...	− 0·9	− 2·6	− 4·7	− 7·3	− 11·5	− 16·3	− 18·4	− **19·5**	− 17·9	− 12·7	− 1·9	+ 10·7	+ 18·3	+ **19·3**	+ 16·5	+ 12·0	+ 9·1	+ 7·2	+ 7·1	+ 4·5	+ 4·1	+ 3·1	+ 2·1	− 0·1

VERTICAL COMPONENT (*Quiet Days*).

267. Eskdalemuir. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 0·9	− 0·9	− 0·8	− 1·0	− 0·9	− 0·7	− 1·4	− 1·6	− 1·5	− 1·7	− 1·6	− **1·8**	− 1·5	+ 0·5	+ **2·6**	+ 2·2	+ 2·3	+ 1·9	+ 1·6	+ 1·6	+ 1·9	+ 1·1	+ 0·2	0·0
Feb. ...	− 0·3	− 0·6	− 1·8	− 1·4	− 0·3	− 0·5	− 0·3	+ 0·4	+ **2·0**	0·0	− 1·1	− 2·5	− **3·1**	− 2·0	+ 1·0	+ 1·8	+ 1·1	+ 1·1	+ 1·1	+ 1·2	+ 1·2	+ 1·2	+ 0·9	+ 0·9
Mar. ...	+ 0·7	+ 0·5	+ 0·2	+ 0·2	+ 0·3	+ 0·3	+ 0·4	0·0	+ 0·3	− 2·3	− 6·6	− **9·0**	− 7·5	− 4·3	− 0·6	+ 4·4	+ **4·9**	+ 2·9	+ 3·2	+ 3·2	+ 2·9	+ 2·1	+ 2·0	+ 1·8
April ...	+ 2·0	+ 2·7	+ 2·0	+ 1·8	+ 1·5	+ 2·7	+ 3·6	+ 1·8	− 2·1	− 5·6	− 8·2	− 10·5	− **10·6**	− 5·2	0·0	+ 1·9	+ 3·1	+ 2·8	+ 3·5	+ **3·6**	+ 2·8	+ 2·0	+ 2·1	+ 1·8
May ...	+ 1·9	+ 2·9	+ 3·1	+ 4·3	+ 4·8	+ 3·6	+ 2·8	+ 1·4	− 1·8	− 7·8	− 11·2	− **14·8**	− 11·2	− 6·2	− 1·8	− 0·3	+ 1·7	+ 4·5	+ 5·3	+ **5·7**	+ 4·9	+ 3·3	+ 2·7	+ 2·3
June ...	− 0·8	− 1·8	− 0·1	+ 2·5	+ 2·9	+ 3·1	+ 2·9	+ 2·5	+ 1·1	− 3·8	− 9·0	− **10·2**	− 7·2	− 6·8	− 3·9	+ 0·7	+ 4·3	+ **5·5**	+ 5·1	+ 4·5	+ 3·1	+ 2·2	+ 2·0	+ 1·2
July ...	+ 1·1	+ 1·1	+ 0·9	+ 1·9	+ 3·9	+ **4·1**	+ 3·1	+ 2·1	− 1·7	− 5·9	− 8·3	− **10·1**	− 7·5	− 3·7	− 2·3	+ 0·1	+ 3·7	+ 3·3	+ 3·7	+ 2·9	+ 2·1	+ 1·7	+ 1·1	+ 1·5
Aug. ...	+ 1·8	+ 1·7	+ 2·1	+ 2·5	+ **3·4**	+ 2·8	+ 2·0	+ 2·3	− 1·1	− 3·7	− 7·8	− **10·8**	− 8·6	− 5·5	− 1·7	+ 0·9	+ 2·4	+ 3·2	+ 3·2	+ 2·5	+ 2·1	+ 1·9	+ 2·0	+ 1·4
Sept. ...	+ 2·1	+ 1·5	+ 1·4	+ 1·4	+ 1·4	+ 2·0	+ **3·3**	+ 2·1	− 0·3	− 1·3	− 5·8	− **9·8**	− 9·4	− 5·2	− 0·9	+ 2·3	+ 2·5	+ 1·3	+ 1·3	+ 1·6	+ 1·8	+ 2·4	+ 2·3	+ 1·9
Oct. ...	+ 1·2	+ 1·2	+ 0·5	+ 0·5	+ 0·5	+ 0·1	+ 0·6	+ 1·8	+ 1·3	− 4·1	− **5·9**	− 5·7	− 4·6	− 1·4	+ 1·7	+ 2·1	+ **2·5**	+ 1·5	+ 1·4	+ 0·8	+ 0·7	+ 0·7	+ 1·5	+ 1·3
Nov. ...	− 0·1	− 0·2	− 0·6	− 1·1	− 1·1	− 0·8	− 0·8	− 0·5	− 0·1	− **2·6**	− 2·6	− 1·7	− 0·1	+ 2·2	+ **2·2**	+ 0·9	+ 1·7	+ 0·8	+ 0·6	+ 1·1	+ 0·9	+ 0·8	+ 0·4	+ 0·7
Dec ...	+ 0·2	+ 0·1	− 0·4	− 0·3	− 0·2	− 0·5	− 0·1	− 0·2	− 0·7	− **2·2**	− 1·9	− 1·4	+ 0·3	+ 0·4	+ 0·9	+ 0·8	− 0·1	− 0·2	− 0·1	+ 0·5	+ 0·8	+ 1·3	+ 1·2	+ **1·9**
Year ...	+ 0·7	+ 0·7	+ 0·6	+ 0·9	+ 1·3	+ 1·4	+ 1·4	+ 1·0	− 0·4	− 3·4	− 5·8	− **7·3**	− 5·9	− 3·1	− 0·2	+ 1·5	+ **2·5**	+ 2·4	+ 2·5	+ 2·4	+ 2·1	+ 1·7	+ 1·5	+ 1·4
Winter ...	− 0·3	+ 0·4	− 0·9	− 0·9	− 0·6	− 0·6	− 0·7	− 0·5	− 0·1	− 1·6	− 1·8	− **1·9**	− 1·1	+ 0·3	+ **1·7**	+ 1·4	+ 1·3	+ 0·9	+ 0·8	+ 1·1	+ 1·2	+ 1·1	+ 0·7	+ 0·9
Equinox ...	+ 1·5	+ 1·5	+ 1·2	+ 1·0	+ 0·9	+ 1·3	+ 2·0	+ 1·4	− 0·2	− 3·3	− 6·6	− **8·7**	− 8·0	− 4·0	0·0	+ 2·7	+ **3·8**	+ 2·1	+ 2·3	+ 2·3	+ 2·0	+ 1·8	+ 2·0	+ 1·7
Summer ...	+ 1·0	+ 1·0	+ 1·5	+ 2·8	+ 3·8	+ 3·4	+ 2·9	+ 2·1	− 0·9	− 5·3	− 9·1	− **11·5**	− 8·6	− 5·5	− 2·4	+ 0·4	+ 3·0	+ 4·1	+ **4·4**	+ 3·9	+ 3·1	+ 2·3	+ 1·9	+ 1·6

DIURNAL INEQUALITIES OF THE MAGNETIC COMPONENTS, DECLINATION, INCLINATION AND HORIZONTAL FORCE—INTERNATIONAL QUIET DAYS.

Departures from mean of the day adjusted for non-cyclic change.

DECLINATION (measured positive towards the West) (*Quiet Days*).

268. Eskdalemuir. **1923.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−0·60	−0·37	−0·18	+0·24	+0·01	−0·31	−0·57	−0·67	−1·00	−0·47	+0·47	+1·49	+2·17	+1·88	+1·05	+0·80	+0·63	+0·28	+0·09	−0·52	−1·03	**−1·30**	−1·19	−0·91
Feb. ...	−0·61	−0·55	−0·48	−0·51	−0·60	−0·84	−1·18	−1·12	**−1·38**	−0·75	+0·81	+1·94	**+2·51**	+2·26	+1·53	+0·30	+0·17	+0·17	+0·18	+0·02	−0·21	−0·34	−0·43	−0·88
Mar. ...	−0·71	−0·73	−0·74	−0·85	−1·15	−1·23	−1·66	−2·24	**−2·25**	−1·31	+0·62	+2·92	**+4·07**	+3·57	+2·51	+0·97	−0·03	+0·08	+0·04	−0·03	−0·28	−0·39	−0·56	−0·61
April ...	−1·10	−1·18	−1·18	−1·21	−1·83	−2·16	−3·11	**−4·05**	−3·73	−1·39	+1·21	+3·98	**+5·27**	+4·65	+3·13	+2·15	+1·38	+0·85	+0·13	+0·18	−0·14	−0·23	−0·60	−1·00
May ...	−0·36	−0·83	−1·14	−1·75	−2·55	−3·36	**−3·85**	−3·57	−2·87	−1·22	+1·23	+3·19	**+4·24**	+3·98	+2·79	+1·94	+1·71	+1·46	+1·00	−0·10	+0·11	+0·14	+0·01	−0·19
June ...	+0·25	−0·19	−1·35	−2·05	−3·05	−3·84	−3·99	**−4·22**	−3·66	−2·01	+0·29	+2·92	+4·39	**+4·50**	+4·16	+2·98	+1·71	+0·86	+0·65	+0·35	+0·29	+0·27	+0·54	+0·17
July ...	−0·50	−0·73	−0·93	−1·48	−2·49	−3·32	**−3·52**	−3·42	−2·59	−1·50	+0·37	+3·05	+4·18	**+4·33**	+3·20	+2·19	+1·22	+0·72	+0·82	+0·34	+0·48	+0·18	−0·12	−0·49
Aug. ...	−1·26	−1·35	−1·43	−1·64	−2·43	−3·53	**−3·53**	−3·20	−2·34	−0·74	+2·17	+4·44	**+5·51**	+4·89	+3·46	+1·83	+0·79	+0·10	+0·21	+0·09	−0·08	−0·07	−0·60	−1·29
Sept. ...	−0·85	−1·00	−1·19	−1·46	−1·67	−2·31	−2·74	**−3·56**	−2·83	−1·25	+1·55	+4·25	**+4·89**	+4·55	+3·08	+1·62	+0·74	+0·33	+0·30	−0·09	−0·22	−0·55	−0·62	−0·98
Oct. ...	−0·90	−0·73	−0·67	−0·82	−0·82	−1·06	−1·30	−1·92	**−1·93**	−0·04	+1·86	+3·17	**+3·51**	+2·93	+1·57	+0·41	+0·22	+0·05	−0·12	−0·23	−0·29	−0·57	−1·07	−1·26
Nov. ...	−0·55	−0·37	−0·12	−0·11	−0·35	−0·51	−0·83	**−1·19**	−1·02	+0·06	+1·52	+2·15	**+2·25**	+1·55	+0·71	+0·59	+0·36	−0·02	−0·10	−0·37	−0·94	−0·91	−0·91	−0·89
Dec. ...	−0·35	+0·11	+0·12	−0·24	−0·26	−0·30	−0·50	−0·52	−0·47	+0·01	+1·08	+1·71	**+2·00**	+1·40	+0·74	+0·32	+0·05	−0·18	−0·23	**−0·98**	−0·88	−0·92	−0·85	−0·88
Year ...	−0·63	−0·66	−0·77	−0·99	−1·43	−1·90	−2·23	**−2·47**	−2·17	−0·88	+1·10	+2·93	**+3·75**	+3·37	+2·33	+1·34	+0·75	+0·39	+0·25	−0·11	−0·27	−0·39	−0·53	−0·77
Winter ...	−0·53	−0·29	−0·17	−0·15	−0·30	−0·49	−0·77	−0·87	**−0·97**	−0·29	+0·97	+1·82	**+2·23**	+1·77	+1·01	+0·50	+0·30	+0·06	−0·01	−0·46	−0·77	−0·87	−0·85	−0·89
Equinox ...	−0·89	−0·91	−0·95	−1·09	−1·37	−1·69	−2·20	**−2·94**	−2·69	−1·00	+1·31	+3·58	**+4·43**	+3·93	+2·57	+1·29	+0·58	+0·33	+0·09	−0·04	−0·23	−0·43	−0·71	−0·96
Summer ...	−0·47	−0·77	−1·21	−1·73	−2·63	−3·51	**−3·72**	−3·60	−2·87	−1·37	+1·01	+3·40	**+4·58**	+4·43	+3·40	+2·23	+1·36	+0·79	+0·67	+0·17	+0·20	+0·13	−0·04	−0·45

INCLINATION (*Quiet Days*).

269. Eskdalemuir. **1923.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	+0·12	+0·11	+0·09	−0·05	−0·14	−0·23	**−0·30**	−0·20	+0·03	+0·30	**+0·31**	+0·12	−0·01	−0·13	+0·03	−0·02	−0·04	−0·09	−0·15	−0·10	+0·13	+0·10	+0·08	+0·06
Feb. ...	−0·11	−0·07	−0·09	−0·09	−0·17	**−0·41**	−0·37	−0·17	+0·34	+0·58	**+0·85**	+0·71	+0·35	+0·13	+0·04	+0·01	−0·17	−0·23	−0·28	−0·25	−0·23	−0·20	−0·14	−0·03
Mar. ...	−0·12	−0·13	−0·15	−0·21	−0·25	−0·38	**−0·42**	−0·20	+0·14	+0·51	**+0·69**	+0·57	+0·40	+0·27	+0·05	+0·25	+0·11	0·00	−0·13	−0·15	−0·19	−0·23	−0·23	−0·18
April ...	−0·35	−0·14	−0·16	−0·28	−0·31	−0·20	+0·05	+0·47	+1·11	**+1·70**	+1·69	+1·21	+0·53	+0·10	−0·15	−0·43	−0·61	−0·69	**−0·82**	−0·68	−0·59	−0·58	−0·43	−0·47
May ...	−0·18	−0·01	−0·01	+0·05	+0·03	+0·11	+0·31	+0·64	+0·90	+1·31	**+1·37**	+0·93	+0·42	+0·15	−0·21	−0·49	−0·71	−0·92	**−0·97**	−0·61	−0·59	−0·49	−0·56	−0·46
June ...	−0·45	−0·38	−0·29	−0·23	−0·18	+0·01	+0·38	+0·83	+1·24	+1·53	**+1·54**	+1·24	+0·85	+0·32	−0·36	−0·46	−0·72	−0·83	**−0·86**	−0·77	−0·78	−0·63	−0·51	−0·50
July ...	−0·38	−0·29	−0·31	−0·21	−0·07	+0·22	+0·43	+0·72	+1·01	**+1·17**	+1·17	+0·73	+0·35	+0·09	−0·01	−0·01	−0·27	−0·53	−0·83	**−0·89**	−0·63	−0·53	−0·52	−0·42
Aug. ...	−0·16	−0·17	−0·13	−0·06	−0·10	−0·08	+0·21	+0·64	+1·15	**+1·50**	+1·40	+0·95	+0·48	+0·12	−0·22	−0·49	−0·69	−0·71	−0·77	**−0·86**	−0·71	−0·51	−0·41	−0·37
Sept. ...	−0·33	−0·33	−0·31	−0·29	−0·25	−0·24	−0·03	+0·37	+0·82	**+1·46**	+1·39	+0·95	+0·40	+0·22	+0·06	+0·08	−0·19	−0·35	−0·59	**−0·64**	−0·55	−0·64	−0·53	−0·47
Oct. ...	−0·13	−0·22	−0·21	−0·19	−0·19	−0·23	−0·11	+0·20	+0·71	**+1·00**	+0·92	+0·67	+0·25	+0·21	+0·21	+0·02	−0·23	−0·35	−0·45	−0·45	**−0·46**	−0·44	−0·31	−0·23
Nov. ...	−0·02	+0·01	−0·07	−0·23	−0·32	**−0·36**	−0·25	−0·03	+0·29	**+0·47**	+0·46	+0·40	+0·25	+0·18	+0·10	+0·01	−0·15	−0·28	−0·24	−0·06	+0·01	−0·02	−0·10	−0·03
Dec. ...	+0·18	+0·17	0·00	−0·09	−0·15	**−0·19**	−0·14	−0·16	−0·04	+0·03	+0·06	+0·16	+0·17	+0·04	−0·04	−0·07	−0·18	−0·14	−0·08	−0·03	+0·02	+0·04	+0·18	**+0·24**
Year ...	−0·16	−0·12	−0·14	−0·16	−0·17	−0·17	−0·02	+0·26	+0·64	+0·96	**+0·99**	+0·72	+0·37	+0·14	−0·04	−0·13	−0·32	−0·42	**−0·51**	−0·46	−0·38	−0·34	−0·29	−0·24
Winter ...	+0·04	+0·05	−0·02	−0·11	−0·19	**−0·30**	−0·27	−0·14	+0·15	+0·35	**+0·42**	+0·35	+0·19	+0·05	+0·03	−0·02	−0·13	−0·19	−0·19	−0·11	−0·02	−0·02	+0·01	+0·06
Equinox ...	−0·23	−0·21	−0·21	−0·24	−0·25	−0·26	−0·13	+0·21	+0·69	+1·17	**+1·17**	+0·85	+0·39	+0·20	+0·04	−0·02	−0·23	−0·35	**−0·50**	−0·48	−0·45	−0·47	−0·37	−0·34
Summer ...	−0·29	−0·21	−0·19	−0·11	−0·08	+0·07	+0·33	+0·71	+1·07	**+1·38**	+1·37	+0·96	+0·53	+0·17	−0·20	−0·36	−0·60	−0·75	**−0·86**	−0·78	−0·68	−0·54	−0·50	−0·44

HORIZONTAL FORCE (*Quiet Days*).

270. Eskdalemuir. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 2·1	− 2·0	− 1·7	+ 0·4	+ 1·8	+ 3·2	+ **3·9**	+ 2·3	− 1·0	− 5·0	− **5·1**	− 2·4	− 0·4	+ 2·2	+ 0·6	+ 1·1	+ 1·5	+ 2·1	+ 2·9	+ 2·0	− 1·2	− 1·1	− 1·1	− 0·9
Feb. ...	+ 1·5	+ 0·9	+ 0·7	+ 0·8	+ 2·4	+ **6·0**	+ 5·4	+ 2·7	− 4·2	− 8·6	**−13·0**	−11·5	− 6·4	− 2·6	− 0·2	+ 0·5	+ 2·9	+ 3·8	+ 4·6	+ 4·1	+ 3·9	+ 3·4	+ 2·3	+ 0·8
Mar. ...	+ 2·1	+ 2·1	+ 2·2	+ 3·2	+ 3·8	+ 5·8	+ **6·4**	+ 3·0	− 1·9	− 8·4	**−12·7**	−11·8	− 8·8	− 5·6	− 1·0	− 2·0	+ 0·2	+ 1·1	+ 3·1	+ 3·5	+ 3·9	+ 4·2	+ 4·1	+ 3·3
April ...	+ 5·9	+ 3·1	+ 3·3	+ 4·8	+ 5·2	+ 3·9	+ 0·5	− 6·4	−17·3	−27·3	**−28·2**	−22·0	−11·8	− 3·4	+ 2·2	+ 7·0	+10·2	+11·3	**+13·5**	+11·5	+ 9·8	+ 9·3	+ 7·2	+ 7·7
May ...	+ 3·4	+ 1·2	+ 1·3	+ 0·8	+ 1·3	− 0·3	− 3·6	− 8·9	−14·1	−22·4	**−24·5**	−19·3	−10·4	− 4·6	+ 2·4	+ 7·2	+11·2	+15·3	**+16·5**	+11·3	+10·7	+ 8·6	+ 9·3	+ 7·7
June ...	+ 6·4	+ 5·0	+ 4·3	+ 4·4	+ 3·7	+ 1·0	− 4·5	−11·4	−18·1	−24·2	**−26·2**	−22·2	−15·3	− 7·3	+ 3·9	+ 7·1	+12·3	+14·3	**+14·8**	+13·2	+12·7	+10·1	+ 8·3	+ 7·8
July ...	+ 6·1	+ 4·8	+ 5·0	+ 3·8	+ 2·4	− 1·8	− 5·2	−10·0	−15·6	−19·7	**−20·5**	−14·6	− 7·9	− 2·7	− 0·7	+ 0·2	+ 5·4	+ 9·1	+13·7	**+14·3**	+10·2	+ 8·5	+ 8·2	+ 6·9
Aug. ...	+ 3·1	+ 3·1	+ 2·8	+ 1·8	+ 2·7	+ 2·2	− 2·2	− 8·7	−17·5	−23·6	**−23·7**	−18·1	−10·4	− 3·8	+ 2·7	+ 7·6	+11·1	+11·8	+12·7	**+13·8**	+11·4	+ 8·2	+ 6·8	+ 6·0
Sept. ...	+ 5·6	+ 5·4	+ 5·2	+ 4·9	+ 4·2	+ 4·3	+ 1·7	− 4·7	−12·4	−22·2	**−22·8**	−17·7	− 9·5	− 5·2	− 1·2	− 0·3	+ 3·7	+ 5·7	+ 9·2	+10·1	+ 8·9	**+10·3**	+ 8·8	+ 7·7
Oct. ...	+ 2·3	+ 3·7	+ 3·4	+ 3·1	+ 3·0	+ 3·4	+ 1·8	− 2·3	−10·1	**−16·4**	−15·9	−12·1	− 5·4	− 3·6	− 2·4	− 0·4	+ 4·3	+ 5·8	**+ 7·2**	+ 6·8	+ 7·0	+ 6·8	+ 5·2	+ 4·0
Nov. ...	+ 0·3	− 0·3	+ 0·8	+ 3·0	+ 4·3	**+ 5·1**	+ 3·5	+ 0·2	− 4·4	− **7·9**	− 7·8	− 6·5	− 3·8	− 1·9	− 0·6	+ 0·2	+ 2·9	+ 4·4	+ 3·8	+ 1·3	+ 0·2	+ 0·6	+ 1·6	+ 0·7
Dec. ...	− 2·6	− 2·5	− 0·1	+ 1·3	+ 2·2	**+ 2·6**	+ 2·0	+ 2·3	+ 0·4	− 1·4	− 1·6	− **3·0**	− 2·5	− 0·5	+ 0·9	+ 1·3	+ **2·6**	+ 2·0	+ 1·2	+ 0·6	0·0	− 0·2	− 2·3	− 2·8
Year ...	+ 2·7	+ 2·0	+ 2·3	+ 2·7	+ 3·1	+ 2·9	+ 0·8	− 3·5	− 9·7	−15·6	**−16·8**	−13·4	− 7·7	− 3·3	+ 0·5	+ 2·5	+ 5·7	+ 7·2	+ **8·6**	+ 7·7	+ 6·5	+ 5·7	+ 4·9	+ 4·1
Winter ...	− 0·7	− 1·0	− 0·1	+ 1·3	+ 2·7	+ **4·2**	+ 3·7	+ 1·9	− 2·3	− 5·7	− **6·9**	− 5·9	− 3·3	− 0·7	+ 0·2	+ 0·8	+ 2·5	+ 3·1	+ 3·1	+ 2·0	+ 0·7	+ 0·7	+ 0·1	− 0·5
Equinox ...	+ 4·0	+ 3·6	+ 3·5	+ 4·0	+ 4·1	+ 4·3	+ 2·6	− 2·6	−10·4	−18·6	**−19·9**	−15·9	− 8·9	− 4·5	− 0·6	+ 1·3	+ 4·6	+ 6·0	+ **8·3**	+ 8·0	+ 7·4	+ 7·7	+ 6·3	+ 5·7
Summer ...	+ 4·7	+ 3·5	+ 3·3	+ 2·7	+ 2·5	+ 0·3	− 3·9	− 9·7	−16·3	−22·5	**−23·7**	−18·5	−11·0	− 4·6	+ 2·1	+ 5·5	+10·0	+12·6	**+14·4**	+13·1	+11·3	+ 8·9	+ 8·1	+ 7·1

DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC FORCE.—SELECTED DISTURBED DAYS.

Departures from mean of the day adjusted for non-cyclic change.

NORTH COMPONENT (*Disturbed Days*).

271. Eskdalemuir. **1923.**

Month and Season.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 1·9	− 1·5	+ 0·6	+ 4·2	+ 3·7	+ 9·9	+ 8·2	**+10·7**	+ 5·1	− 0·8	− 5·8	− 7·9	− 4·7	− 1·4	− 2·7	− 1·7	− 3·8	**−10·6**	− 2·9	− 0·8	− 1·2	+ 2·3	+ 4·9	− 2·0
Feb. ...	+ 8·8	+ 5·8	+ 7·4	+ 2·6	**+10·4**	+10·4	+ 4·8	+ 2·0	− 8·8	**−24·6**	−14·1	−15·3	−11·7	− 4·1	− 5·3	+ 2·5	+ 8·7	+ 6·3	+ 5·9	− 4·5	+ 8·5	+ 9·7	+ 3·3	− 8·7
Mar. ...	− 0·3	+ 6·9	− 2·1	+ 4·7	+ 3·9	+ 8·9	+ 1·5	− 2·7	−10·3	−23·1	−28·9	**−29·1**	−24·3	−13·7	+ 6·3	+ 6·3	+13·9	+12·1	+ 5·1	+ 9·9	+11·9	**+17·7**	+12·3	+13·5
April ...	+ 8·1	+ 1·6	+ 0·2	− 4·7	+ 3·7	+12·0	+ 3·0	− 5·9	−13·1	−20·6	−31·2	**−33·5**	−24·1	−11·6	−10·2	− 1·1	+15·3	+12·0	**+22·6**	+14·3	+22·3	+16·6	+14·6	+ 9·7
May ...	− 7·5	− 7·1	+ 9·5	+ 3·7	+ 2·4	− 0·2	− 9·0	−16·6	−24·1	**−28·9**	−26·3	−20·3	−16·5	− 3·8	− 1·8	− 1·6	+29·1	**+34·7**	+18·5	+15·1	+16·1	+10·8	+21·8	+ 2·0
June ...	+ 5·1	+ 5·4	− 8·5	+11·3	+ 7·4	+ 4·3	−10·6	−16·3	−21·4	−33·4	**−35·7**	−24·4	−23·3	−10·6	**+20·3**	+ 1·7	+19·6	+17·5	+17·2	+17·7	+17·8	+13·8	+13·1	+11·8
July ...	+ 4·6	− 0·1	+ 1·1	+ 0·2	+ 0·7	+ 2·3	− 7·2	−12·5	−17·7	−19·0	−22·5	**−32·5**	−17·8	−11·3	− 4·1	+ 5·0	+ 9·5	+25·3	**+25·4**	+19·1	+14·3	+13·4	+13·7	+ 9·9
Aug. ...	+ 7·7	+ 7·3	+ 8·4	+ 8·4	+15·1	+ 7·7	− 3·4	− 8·8	−12·1	−25·9	**−34·2**	−21·0	−17·9	− 9·3	− 4·6	− 1·4	+ 5·1	+11·5	+13·0	**+17·0**	+ 9·9	+13·3	+ 7·6	+ 6·6
Sept. ...	− 2·0	+ 3·6	+10·0	**+17·8**	+ 6·2	+ 6·2	− 3·2	− 1·8	−11·6	−24·4	−27·0	**−27·2**	−21·8	− 8·0	+ 1·0	− 1·8	+ 8·0	+11·4	+ 9·8	+ 6·6	+11·2	+16·0	+14·4	+ 6·8
Oct. ...	+13·4	+13·5	− 0·6	**+15·7**	+ 6·5	+ 5·0	+15·7	+ 4·9	−10·0	− 8·5	− 5·0	− 8·5	−12·3	**−13·0**	− 2·7	− 6·1	+ 9·6	− 8·5	− 7·2	+ 3·3	+ 8·9	−12·2	− 1·9	− 0·1
Nov. ...	+ 3·2	+ 1·5	+ 4·2	+ 6·9	**+10·7**	+10·2	+ 7·1	+ 7·4	− 0·2	**−10·5**	−10·0	− 7·5	− 7·7	− 5·4	− 3·1	− 4·0	− 5·2	− 2·7	− 5·0	− 1·7	+ 5·7	+ 3·0	+ 1·3	+ 2·0
Dec. ...	+ 9·0	+ 4·6	+ 3·7	+ 1·0	+ 9·7	+ 8·5	+10·2	**+10·3**	+ 6·8	− 3·6	−10·9	−10·0	−10·9	− 9·3	− 7·8	− 7·7	**−13·3**	− 2·0	− 0·1	− 2·2	+ 5·7	− 0·1	+ 2·6	+ 5·7
Year ...	+ 4·0	+ 3·5	+ 2·8	+ 6·0	+ 6·7	+ 7·1	+ 1·4	− 2·5	− 9·8	−18·6	**−21·0**	−19·7	−16·1	− 8·5	− 1·2	− 0·8	+ 8·0	+ 8·9	+ 8·5	+ 7·8	**+10·9**	+ 8·7	+ 9·0	+ 4·8
Winter ...	+ 4·8	+ 2·6	+ 4·0	+ 3·7	+ 8·6	**+ 9·7**	+ 7·6	+ 7·6	+ 0·7	− 9·9	**−10·2**	−10·1	− 8·7	− 5·1	− 4·7	− 2·7	− 3·4	− 2·3	− 0·5	− 2·3	+ 4·7	+ 3·7	+ 3·0	− 0·7
Equinox ...	+ 4·8	+ 6·4	+ 1·9	+ 8·4	+ 5·1	+ 8·0	+ 4·2	− 1·4	−11·3	−19·1	−23·0	**−24·6**	−20·6	−11·6	− 1·4	− 0·7	+11·7	+ 6·7	+ 7·6	+ 8·5	**+13·6**	+ 9·5	+ 9·9	+ 7·5
Summer ...	+ 2·5	+ 1·4	+ 2·6	+ 5·9	+ 6·4	+ 3·5	− 7·5	−13·6	−18·8	−26·8	**−29·7**	−24·5	−18·9	− 8·8	+ 2·5	+ 0·9	+15·9	**+22·3**	+18·5	+17·2	+14·5	+12·8	+14·1	+ 7·6

WEST COMPONENT (*Disturbed Days*).

272. Eskdalemuir. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 5·9	+ 5·6	− 2·9	− 1·1	+ 0·6	+ 3·3	+ 6·4	+ 4·5	− 2·0	− 2·1	+ 2·0	+ 8·3	+14·4	+14·9	**+15·4**	+10·3	+10·9	+ 2·8	− 4·9	− 6·8	−16·1	−22·2	**−24·1**	−11·2
Feb. ...	− 2·0	− 4·1	−11·7	−14·2	− 9·8	− 7·7	+ 2·2	+ 2·2	+ 6·9	+12·1	+16·0	+20·1	**+27·7**	+25·4	+10·2	+16·1	+ 1·5	−10·4	− 7·1	−15·7	−11·4	−13·8	**−15·9**	−16·5
Mar. ...	− 8·1	− 3·2	−16·3	−11·0	− 3·7	− 5·8	− 8·5	− 9·2	− 9·9	− 1·7	+ 8·6	+23·9	**+33·8**	+30·1	+31·0	+30·1	+20·0	−12·3	−11·6	− 9·3	−16·4	−17·5	**−20·7**	−12·2
April ...	− 8·7	−11·3	−10·1	− 7·9	+ 4·5	− 8·4	−16·0	−20·4	**−22·2**	−14·0	+ 0·8	+17·2	+30·4	**+36·4**	+29·6	+20·8	+12·2	+ 6·7	+ 2·7	− 4·1	− 5·5	−17·3	−11·9	− 3·5
May ...	−11·9	− 7·2	−17·3	−20·7	−23·2	−27·1	**−30·0**	−27·6	−19·1	−11·2	+ 3·7	+20·3	+28·4	+36·1	**+36·8**	+31·6	+33·9	+16·2	+ 7·3	+ 1·1	− 2·2	− 0·5	− 3·2	−14·2
June ...	−12·9	−19·1	− 5·8	−17·7	−22·0	−17·3	**−23·5**	−22·6	−17·1	−12·7	− 1·8	+14·3	+24·8	+32·7	**+34·9**	+26·8	+33·1	+21·0	+ 8·8	+ 6·1	− 0·6	−10·1	− 9·7	− 9·6
July ...	− 7·0	−12·5	−25·6	−17·3	−12·8	−24·5	**−26·2**	−25·9	−23·4	−16·3	− 3·0	+11·9	+24·8	**+31·7**	+28·8	+24·7	+18·4	+22·5	+13·8	+ 7·9	+ 6·2	+ 6·7	+ 0·4	− 3·1
Aug. ...	− 5·5	− 6·4	− 6·5	− 9·4	−17·1	−22·8	**−25·3**	−16·7	− 8·8	− 1·9	+10·0	+22·1	**+27·7**	+26·2	+22·5	+14·4	+10·1	+11·2	+ 8·6	+ 0·7	− 8·6	− 9·5	− 9·2	− 5·7
Sept. ...	−30·9	−11·8	−10·0	− 2·7	+ 8·5	+ 8·4	− 5·0	− 3·1	− 5·5	+ 3·6	+17·6	+30·1	**+33·3**	+29·8	+29·6	+21·7	+21·1	− 2·0	− 9·4	− 8·3	−18·3	−24·4	**−39·8**	−32·7
Oct. ...	−15·6	−11·5	− 3·9	+14·0	+22·9	+24·9	+23·0	+11·7	+ 5·6	+ 9·9	+14·3	+24·0	+27·3	+27·1	**+27·4**	+ 6·7	−18·6	− 5·0	−22·7	−34·6	−43·5	**−45·1**	−24·0	−14·3
Nov. ...	−13·2	−10·4	− 6·2	− 3·9	− 0·9	+ 0·9	+12·1	+ 5·1	+ 1·4	+ 1·6	+ 6·0	+10·3	+11·3	+12·7	**+12·9**	+11·1	+10·2	+ 9·4	+ 3·6	− 1·1	−16·5	**−22·7**	−17·7	−16·1
Dec. ...	− 4·5	+ 1·8	+ 0·1	+ 7·3	+ 5·4	+ 3·7	+ 5·4	+ 3·7	+ 1·7	+ 1·6	+ 4·5	+10·1	+10·7	+ 9·0	**+12·7**	+ 2·9	− 1·2	+ 2·5	− 2·8	**−23·3**	−16·5	−13·0	−11·1	−10·8
Year ...	−10·5	− 7·5	− 9·7	− 7·0	− 4·0	− 6·0	− 7·1	− 8·2	− 7·7	− 2·6	+ 6·6	+17·7	+24·5	**+26·0**	+24·3	+18·1	+12·6	+ 5·2	− 1·1	− 7·3	−12·5	**−15·8**	−15·6	−12·5
Winter ...	− 6·4	− 1·8	− 5·2	− 2·9	− 1·1	+ 0·1	+ 6·5	+ 3·9	+ 2·0	+ 3·3	+ 7·1	+12·2	**+16·0**	+15·5	+12·8	+10·1	+ 5·4	+ 1·1	− 2·8	−11·7	−15·1	**−17·9**	−17·2	−13·7
Equinox ...	−15·8	− 9·5	−10·1	− 1·9	+ 8·0	+ 4·8	− 1·6	− 5·3	− 8·0	− 0·5	+10·3	+23·8	**+31·2**	+30·9	+29·4	+19·8	+ 8·7	− 3·1	−10·2	−14·1	−20·9	**−26·1**	−24·1	−15·7
Summer ...	− 9·3	−11·3	−13·8	−16·3	−18·8	−22·9	**−26·2**	−23·2	−17·1	−10·5	+ 2·2	+17·1	+26·4	**+31·7**	+30·8	+24·4	+23·9	+17·7	+ 9·6	− 3·9	− 1·3	− 3·4	− 5·4	− 8·1

VERTICAL COMPONENT (*Disturbed Days*).

273. Eskdalemuir. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 2·2	− 6·1	**− 9·4**	− 5·9	− 5·6	− 7·3	− 6·6	− 5·9	− 4·8	− 4·5	− 5·2	− 4·1	− 1·8	+ 1·1	+ 3·4	+ 4·9	+ 6·0	+10·3	**+12·0**	+ 9·9	+10·0	+ 8·7	+ 3·8	− 0·5
Feb. ...	−11·5	− 8·8	**−23·4**	−13·6	− 9·2	− 7·5	− 6·3	− 6·9	− 6·5	− 1·6	− 5·6	− 4·4	− 2·5	+ 2·7	+14·1	+17·1	+20·9	**+23·2**	+20·4	+20·4	+10·1	− 1·3	− 4·3	−15·5
Mar. ...	−23·9	**−35·3**	−34·8	−28·9	−19·1	−14·4	− 8·3	− 4·9	− 3·6	− 2·5	− 3·3	− 4·6	− 0·1	+ 8·9	+14·8	+24·5	**+40·5**	+39·6	+32·1	+27·7	+18·2	− 4·7	− 7·7	−10·2
April ...	−14·1	−12·5	**−16·6**	−13·4	−13·5	− 8·3	− 1·2	+ 1·9	+ 2·5	− 1·6	− 4·4	− 7·3	− 5·3	+ 1·4	+ 9·3	+14·1	+19·6	**+21·4**	+18·3	+16·8	+ 6·4	+ 3·5	− 2·7	−14·2
May ...	−10·9	**−20·0**	−17·9	−15·2	−13·3	− 7·6	− 3·9	− 4·8	− 9·1	−14·0	−14·7	−14·6	− 7·5	+ 1·6	+10·1	+16·4	+20·5	**+33·6**	+29·7	+24·2	+17·5	+10·8	− 0·7	− 9·4
June ...	− 7·4	−11·5	−10·9	**−13·0**	−10·9	−11·3	− 9·2	− 6·8	− 8·2	−11·3	−12·2	−12·6	− 9·7	− 2·4	+ 9·0	+22·6	+29·5	**+33·9**	+26·2	+17·3	+10·4	− 1·5	− 3·6	− 6·5
July ...	− 5·1	**−13·9**	−13·1	−10·7	−13·1	− 7·5	− 2·5	− 1·3	+ 0·3	− 4·1	− 5·1	− 5·3	− 3·1	+ 0·1	+ 1·8	+ 6·0	+10·0	+13·4	**+16·2**	+15·8	+13·0	+ 6·8	+ 0·8	+ 0·6
Aug. ...	+ 1·6	− 0·6	− 3·1	− 5·3	− 6·7	− 5·9	− 4·5	− 5·5	− 7·7	− 8·0	**− 9·2**	− 8·6	− 6·6	− 0·2	+ 4·9	+ 8·5	+ 9·7	+ 8·3	+ 7·5	+10·1	**+11·3**	+ 5·4	+ 2·8	+ 1·8
Sept. ...	−25·7	**−46·5**	−32·8	−24·4	−24·7	−21·8	− 6·0	− 0·5	+ 3·1	+ 3·8	+ 3·3	+ 4·9	+ 9·2	+16·8	+20·9	+24·7	+30·2	**+35·7**	+24·9	+23·2	+18·8	− 0·5	−17·9	−18·8
Oct. ...	−37·8	−33·2	−36·1	−37·7	−26·2	−20·2	−12·9	− 2·3	+ 6·7	+ 7·4	+ 5·9	+ 9·1	+16·8	+28·4	+37·7	+50·9	**+51·0**	+45·1	+32·3	+16·7	− 5·7	−13·0	−34·9	**−47·7**
Nov. ...	− 4·3	− 3·5	− 4·3	− 5·1	− 5·5	− 7·0	**− 9·4**	− 8·4	− 6·9	− 6·1	− 5·3	− 3·5	+ 0·1	+ 1·8	+ 3·8	+ 6·0	+ 7·3	+ 8·5	+11·3	**+11·7**	+10·9	+ 7·0	+ 2·6	− 1·8
Dec. ...	− 5·3	**− 7·4**	− 7·3	− 6·7	**− 7·4**	− 6·1	− 5·5	− 6·2	− 5·1	− 5·1	− 3·2	− 3·3	− 0·9	+ 4·0	+ 6·3	+10·5	**+12·8**	+ 9·5	+ 8·1	+11·4	+ 6·1	+ 1·9	+ 0·6	− 1·7
Year ...	−12·2	−16·6	**−17·5**	−15·0	−12·9	−10·4	− 6·4	− 4·3	− 3·3	− 4·0	− 4·9	− 4·5	− 1·0	+ 5·3	+11·3	+17·2	+21·5	**+23·5**	+19·9	+17·1	+10·6	+ 1·9	− 5·1	−10·3
Winter ...	− 5·8	− 6·5	**−11·1**	− 7·8	− 6·9	− 7·0	− 6·9	− 6·9	− 5·8	− 4·3	− 4·8	− 3·8	− 1·3	+ 2·4	+ 6·9	+ 9·6	+11·8	+12·9	+13·0	**+13·3**	+ 9·2	+ 4·1	+ 0·7	− 4·9
Equinox ...	−25·4	**−31·9**	−30·1	−26·1	−20·9	−16·1	− 7·1	− 1·4	+ 2·2	+ 1·8	+ 0·4	+ 0·5	+ 5·1	+13·9	+20·7	+28·5	+35·3	**+35·5**	+26·9	+21·1	+ 9·4	− 3·7	−15·8	−22·7
Summer ...	− 5·4	**−11·5**	−11·2	−11·1	−11·0	− 8·1	− 5·0	− 4·6	− 6·2	− 9·4	−10·3	−10·3	− 6·8	− 0·3	+ 6·5	+13·4	+17·4	**+22·3**	+19·9	+16·8	+13·0	+ 5·4	− 0·2	− 3·4

DIURNAL INEQUALITIES OF THE MAGNETIC COMPONENTS, DECLINATION, INCLINATION AND HORIZONTAL FORCE—SELECTED DISTURBED DAYS.

Departures from mean of the day adjusted for non-cyclic change.

DECLINATION (measured positive towards the West) (*Disturbed Days*).

274. Eskdalemuir. **1923.**

Month and Season.	Hour 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	−1·06	+1·19	−0·62	−0·45	−0·09	+0·08	+0·79	+0·27	−0·69	−0·37	+0·73	+2·10	+3·11	+3·02	**+3·20**	+2·13	+2·39	+1·17	−0·80	−1·30	−3·11	−4·53	**−5·06**	−2·10
Feb. ...	−0·91	−1·15	−2·74	−2·97	−2·53	−2·13	+0·15	+0·33	+1·87	+3·83	+3·98	+4·85	**+6·16**	+5·26	+2·33	+3·04	−0·20	−2·42	−1·75	−2·84	−2·75	−3·29	**−3·34**	−2·75
Mar. ...	−1·58	−1·03	−3·10	−2·45	−0·96	−1·67	−1·77	−1·67	−1·37	+1·01	+3·38	+6·42	**+8·10**	+6·75	+5·77	+5·59	+3·15	−3·14	−2·60	−2·42	−3·94	−4·50	**−4·80**	−3·19
April ...	−2·19	−2·33	−2·02	−1·30	+0·67	−2·35	−3·33	−3·69	−3·63	−1·58	+1·96	+5·34	+7·41	**+7·87**	+6·44	+4·17	+1·53	+0·64	−0·76	−1·63	−2·37	**−4·38**	−3·20	−1·25
May ...	−1·93	−1·01	−3·96	−4·31	−4·73	−5·35	**−5·41**	−4·51	−2·40	−0·55	+2·25	+5·18	+6·57	+7·37	**+7·39**	+6·34	+5·03	+1·21	+0·39	−0·66	−1·36	−0·72	−1·88	−2·93
June ...	−2·85	−4·08	−0·65	−4·16	**−4·79**	−3·68	−4·03	−3·53	−2·15	−0·58	+1·71	+4·23	+6·25	**+7·07**	+5·75	+5·20	+5·41	+3·14	+0·76	+0·19	−1·15	−2·81	−2·67	−2·58
July ...	−1·65	−2·47	**−5·13**	−3·44	−2·57	−4·98	−4·77	−4·41	−3·61	−2·13	+0·70	+4·22	+5·93	**+6·92**	+5·93	+4·60	+3·09	+2·99	+1·27	+0·46	+0·40	+0·55	−0·71	−1·19
Aug. ...	−1·54	−1·69	−1·77	−2·34	−4·25	**−4·95**	−4·80	−2·80	−1·05	+1·12	+3·95	+5·59	**+6·50**	+5·71	+4·71	+2·93	+1·71	+1·56	+0·95	−0·84	−2·27	−2·64	−2·25	−1·50
Sept. ...	−6·00	−2·54	−2·56	−1·55	+1·32	+1·31	−0·81	−0·50	−0·43	+2·12	+5·03	+7·53	**+7·84**	+6·36	+5·80	+4·41	+3·73	−1·05	−2·43	−2·02	−4·27	−5·74	**−8·71**	−6·86
Oct. ...	−3·87	−3·06	−0·74	+1·87	+4·16	+4·65	+3·66	+2·04	+1·68	+2·44	+3·12	+5·24	+6·11	**+6·12**	+5·58	+1·68	−4·24	−0·49	−4·08	−7·05	**−9·13**	−8·22	−4·64	−2·82
Nov. ...	−2·79	−2·14	−1·47	−1·16	−0·79	−0·40	+1·98	+0·57	+0·30	+0·92	+1·76	+2·48	+2·69	**+2·83**	+2·73	+2·42	+2·33	+2·02	+1·00	−0·11	−3·59	**−4·67**	−3·58	−3·31
Dec. ...	−1·41	+0·09	−0·20	+1·39	+0·52	+0·25	+0·48	+0·14	−0·05	+0·53	+1·52	+2·55	+2·74	+2·31	**+2·95**	+1·02	+0·53	+0·61	−0·55	**−4·49**	−3·59	−2·56	−2·34	−2·47
Year ...	−2·31	−1·69	−2·08	−1·74	−1·17	−1·60	−1·49	−1·48	−0·96	+0·56	+2·51	+4·64	**+5·78**	+5·63	+4·88	+3·63	+2·04	+0·52	−0·72	−1·89	−3·09	**−3·63**	−3·60	−2·75
Winter ...	−1·54	−0·50	−1·26	−0·80	−0·72	−0·55	+0·85	+0·33	+0·36	+1·23	+2·00	+2·99	**+3·67**	+3·35	+2·80	+2·15	+1·26	+0·35	−0·53	−2·19	−3·26	**−3·76**	−3·58	−2·66
Equinox ...	−3·41	−2·24	−2·11	−0·86	+1·30	+0·49	−0·56	−0·95	−0·94	+1·00	+3·37	+6·13	**+7·37**	+6·77	+5·90	+3·96	+1·04	−1·01	−2·47	−3·28	−4·93	**−5·71**	−5·34	−3·53
Summer ...	−1·99	−2·31	−2·88	−3·56	−4·09	−4·74	**−4·75**	−3·81	−2·30	−0·53	+2·15	+4·81	+6·31	**+6·77**	+5·95	+4·77	+3·81	+2·23	+0·84	−0·21	−1·09	−1·41	−1·88	−2·05

INCLINATION (*Disturbed Days*).

275. Eskdalemuir. **1923.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan. ...	+0·18	−0·16	−0·22	−0·40	−0·39	−0·89	−0·82	**−0·92**	−0·41	−0·02	+0·21	+0·25	−0·02	−0·16	−0·03	+0·04	+0·19	**+0·89**	+0·58	+0·43	+0·63	+0·49	+0·23	+0·33
Feb. ...	−0·82	−0·52	**−0·84**	−0·24	−0·72	−0·71	−0·51	−0·34	+0·28	**+1·32**	+0·47	+0·50	+0·17	−0·15	+0·50	−0·04	−0·07	+0·37	+0·26	+1·10	−0·08	−0·40	−0·02	+0·49
Mar. ...	−0·42	**−1·26**	−0·42	−0·82	−0·66	−0·82	−0·14	+0·23	+0·76	+1·46	**+1·62**	+1·31	+0·93	+0·54	−0·62	−0·36	−0·26	+0·44	+0·69	+0·23	0·00	−0·93	−0·59	−0·89
April ...	−0·71	−0·20	−0·23	+0·12	−0·66	−0·83	+0·08	+0·81	+1·33	+1·55	**+1·89**	+1·65	+0·85	+0·10	+0·33	+0·03	−0·73	−0·37	−1·05	−0·43	**−1·17**	−0·66	−0·78	−0·92
May ...	+0·43	+0·09	−0·73	−0·23	−0·05	+0·33	+1·05	+1·47	+1·69	**+1·72**	+1·26	+0·57	+0·35	−0·40	−0·33	−0·08	**−2·01**	−1·71	−0·59	−0·39	−0·56	−0·42	−1·37	−0·09
June ...	−0·27	−0·28	+0·39	−0·72	−0·34	−0·23	+0·90	+1·31	+1·50	**+2·11**	+2·03	+0·99	+0·80	+0·01	**−1·74**	−0·05	−1·15	−0·68	−0·62	−0·83	−0·87	−0·74	−0·76	−0·74
July ...	−0·29	−0·10	+0·08	+0·05	−0·13	+0·12	+0·89	+1·26	+1·59	+1·43	+1·38	**+1·74**	+0·61	+0·14	−0·23	−0·64	−0·71	**−1·72**	−1·49	−0·99	−0·72	−0·82	−0·87	−0·57
Aug. ...	−0·35	−0·36	−0·50	−0·49	−0·82	−0·22	+0·58	+0·75	+0·75	+1·51	**+1·79**	+0·73	+0·47	+0·11	0·00	+0·03	−0·28	−0·74	−0·81	**−0·86**	−0·20	−0·54	−0·25	−0·27
Sept. ...	+0·07	−1·17	−1·28	**−1·71**	−1·17	−1·10	+0·15	+0·16	+0·93	**+1·60**	+1·50	+1·31	+1·01	+0·38	−0·10	+0·32	−0·16	+0·19	+0·17	+0·31	+0·09	−0·59	−0·63	−0·29
Oct. ...	−1·51	−1·48	−0·79	**−2·22**	−1·50	−1·29	−1·77	−0·59	+0·71	+0·55	+0·20	+0·32	+0·70	+1·04	+0·60	+1·54	+1·00	**+1·76**	+1·69	+0·85	+0·10	+1·31	−0·30	−0·91
Nov. ...	−0·06	+0·01	−0·26	−0·50	−0·81	−0·85	**−0·92**	−0·78	−0·18	+0·50	+0·40	+0·20	+0·29	+0·16	+0·05	+0·20	+0·33	+0·21	**+0·54**	+0·42	+0·21	+0·41	+0·31	+0·13
Dec. ...	−0·63	−0·51	−0·42	−0·37	**−0·92**	−0·77	−0·90	−0·89	−0·60	+0·08	+0·54	+0·37	+0·48	+0·53	+0·42	+0·70	**+1·20**	+0·32	+0·26	+0·86	+0·09	+0·30	+0·05	−0·21
Year ...	−0·37	−0·49	−0·43	−0·63	**−0·68**	−0·61	−0·12	+0·21	+0·70	**+1·15**	+1·11	+0·83	+0·55	+0·19	−0·10	+0·14	−0·22	−0·09	−0·03	+0·06	−0·21	−0·22	−0·41	−0·33
Winter ...	−0·33	−0·29	−0·43	−0·38	−0·71	**−0·81**	−0·79	−0·73	−0·23	+0·47	+0·41	+0·33	+0·23	+0·09	+0·23	+0·23	+0·41	+0·45	+0·41	**+0·70**	+0·21	+0·20	+0·14	+0·19
Equinox ...	−0·64	−1·03	−0·68	**−1·16**	−1·00	−1·01	−0·42	+0·15	+0·93	+1·29	**+1·30**	+1·15	+0·87	+0·51	+0·05	+0·38	−0·04	+0·51	+0·37	+0·24	−0·25	−0·22	−0·57	−0·75
Summer ...	−0·12	−0·16	−0·19	−0·35	−0·33	0·00	+0·85	+1·20	+1·38	**+1·69**	+1·61	+1·01	+0·56	−0·03	−0·57	−0·19	−1·04	**−1·21**	−0·88	−0·77	−0·59	−0·63	−0·81	−0·42

HORIZONTAL FORCE (*Disturbed Days*).

276. Eskdalemuir. **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan. ...	− 3·5	+ 0·1	− 0·3	+ 3·8	+ 3·7	+10·5	+ 9·7	**+11·5**	+ 4·4	− 1·4	− 5·0	− 5·3	− 0·4	+ 2·9	+ 1·7	+ 1·3	− 0·6	**− 9·3**	− 4·1	− 2·7	− 5·7	− 4·1	− 2·0	− 5·1
Feb. ...	+ 7·9	+ 4·4	+ 3·8	− 1·5	+ 7·3	+ 7·8	+ 5·2	+ 2·5	− 6·6	**−20·2**	− 9·0	− 9·0	− 3·4	+ 3·2	− 2·2	+ 6·9	**+ 8·8**	+ 3·1	+ 3·6	− 8·7	+ 4·9	+ 5·4	− 1·3	−13·0
Mar. ...	− 2·6	+ 5·7	− 6·6	+ 1·4	+ 2·7	+ 6·9	− 1·0	− 5·2	−12·7	−22·6	**−25·3**	−21·2	−13·8	− 4·7	**+14·7**	+14·5	**+18·9**	+ 8·1	+ 1·6	+ 6·9	+ 6·8	+12·1	+ 6·0	+ 9·5
April ...	+ 5·3	− 1·6	− 2·7	− 6·7	+ 4·8	+ 9·2	− 1·6	−11·3	−18·8	−23·7	**−29·8**	−27·3	−14·7	− 0·9	− 1·5	+ 4·8	+18·1	+13·4	**+22·4**	+12·6	+19·8	+11·1	+10·7	+ 8·4
May ...	−10·5	− 8·8	+ 4·3	− 2·3	− 4·2	− 7·7	−17·0	−23·7	−28·4	**−30·9**	−24·2	−13·9	− 7·9	+ 6·5	+ 8·6	+ 7·3	+37·5	**+37·9**	+19·8	+14·8	+14·8	+10·3	+20·0	− 2·1
June ...	+ 1·3	− 0·2	− 9·8	+ 5·9	+ 1·0	− 0·7	−16·8	−22·0	−25·4	**−35·6**	−34·7	−19·4	−15·4	− 1·1	**+29·2**	+ 9·2	+28·1	+22·7	+19·0	+18·7	+16·9	+10·5	+ 9·9	+ 8·7
July ...	+ 2·5	− 3·6	− 6·0	− 4·6	− 2·9	− 4·6	−14·2	−19·3	−23·5	−22·8	−22·5	**−27·9**	−10·2	− 2·0	+ 4·1	+11·7	+14·2	**+30·6**	+28·3	+20·5	+15·5	+14·7	+13·2	+ 8·7
Aug. ...	+ 5·9	+ 5·2	+ 6·3	+ 5·4	+ 9·8	+ 1·0	− 10·3	−13·1	−14·1	−25·4	**−30·0**	−14·0	− 9·5	− 1·7	+ 1·9	+ 2·7	+ 7·7	+14·2	+14·9	**+16·5**	+ 7·1	+10·1	+ 4·8	+ 4·7
Sept. ...	−10·6	+ 0·2	+ 6·8	**+16·3**	+ 8·3	+ 8·3	− 4·5	− 2·6	−12·7	**−22·4**	−21·0	−17·7	−11·7	+ 0·6	+ 9·2	+ 4·3	+13·6	+10·4	+ 6·8	+ 4·0	+ 5·6	+ 8·6	+ 2·7	− 2·6
Oct. ...	+ 8·5	+ 9·7	− 1·6	+19·0	+12·6	+11·8	**+21·5**	+ 7·9	− 8·1	− 5·4	− 0·8	− 1·4	− 4·2	− 4·9	+ 5·1	− 4·0	+ 4·0	− 9·5	−13·2	− 6·4	− 3·6	**−24·3**	− 8·5	− 4·1
Nov. ...	− 0·6	− 1·5	+ 2·3	+ 5·6	+10·0	+10·0	**+10·2**	+ 8·5	+ 0·2	− **9·7**	− 7·9	− 4·3	− 4·3	− 1·7	+ 0·6	− 0·7	− 2·2	0·0	− 3·8	− 1·9	+ 0·9	− 3·5	− 3·7	− 2·5
Dec. ...	+ 7·4	+ 4·9	+ 3·6	+ 3·0	+10·9	+ 9·2	**+11·3**	+10·9	+ 7·1	− 3·0	− 9·2	− 6·8	− 7·4	− 6·5	− 4·0	− 6·6	**−13·1**	− 1·2	− 0·9	− 8·6	+ 0·9	− 3·7	− 0·6	+ 2·5
Year ...	+ 0·9	+ 1·2	0·0	+ 3·8	+ 5·3	+ 5·1	− 0·6	− 4·7	−11·6	**−18·6**	−18·3	−14·0	− 8·6	− 0·9	+ 5·6	+ 4·3	**+11·3**	+10·0	+ 7·9	+ 5·5	+ 7·0	+ 3·9	+ 4·3	+ 1·1
Winter ...	+ 2·8	+ 2·0	+ 2·3	+ 2·7	+ 8·0	**+ 9·4**	+ 9·1	+ 8·3	+ 1·3	− **8·6**	− 7·8	− 6·3	− 3·9	− 0·5	− 1·0	+ 0·2	− 1·8	− 1·9	− 1·3	− 5·5	+ 0·3	− 1·5	− 1·9	− 4·5
Equinox ...	+ 0·1	+ 3·5	− 1·0	+ 7·5	+ 7·1	+ 9·1	+ 3·6	− 2·8	−13·1	−18·5	**−19·2**	−16·9	−11·1	− 2·5	+ 6·9	+ 4·9	**+13·7**	+ 5·6	+ 4·4	+ 4·3	+ 7·1	+ 1·9	+ 2·7	+ 2·8
Summer ...	− 0·2	− 1·9	− 1·3	+ 1·1	+ 0·9	− 3·0	−14·6	−19·5	−22·9	**−28·7**	−27·9	−18·8	−10·7	+ 0·4	+10·9	+ 7·7	+21·9	**+26·3**	+20·5	+17·6	+13·6	+11·4	+12·0	+ 5·0

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR, AND SEASONS OF 1923.

NOTE.—The ranges are those shown in Tables 259 to 276, in the preparation of which the non-cyclic change has been eliminated.

277. Eskdalemuir. **1923.**

Month and Season.	"All" Days.			Quiet Days.			Disturbed Days.			"All" Days.			Quiet Days.			Disturbed Days.		
	N.	W.	V.	N.	W.	V.	N.	W.	V.	D.	I.	H.	D.	I.	H.	D.	I.	H.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	′	′	γ	′	′	γ	′	′	γ
January ...	15·6	23·0	9·0	10·1	16·4	4·4	21·3	39·5	21·4	5·02	0·92	13·1	3·47	0·61	9·0	8·26	1·81	20·8
February ...	24·2	25·5	14·2	20·5	17·5	5·1	35·0	43·6	46·6	5·79	1·32	19·6	3·89	1·26	19·0	9·50	2·16	29·0
March ...	29·7	34·3	20·9	23·7	27·5	13·9	46·8	54·5	75·8	7·93	1·49	24·1	6·32	1·11	19·1	12·90	2·88	44·2
April ...	42·9	50·6	19·6	41·4	43·4	14·2	56·1	58·6	38·0	10·56	2·40	41·4	9·32	2·52	41·7	12·25	3·06	52·2
May ...	40·8	40·0	23·4	39·6	36·4	20·5	63·6	66·8	53·6	8·26	2·35	42·2	8·09	2·34	41·0	12·80	3·73	68·8
June ...	43·6	48·2	21·2	38·9	43·4	15·7	56·0	58·4	46·9	9·69	2·54	45·3	8·72	2·40	41·0	11·86	3·85	64·8
July ...	35·5	42·6	15·3	33·5	38·1	14·2	57·9	57·9	30·1	8·68	2·12	36·8	7·85	2·06	34·8	12·05	3·46	58·5
August ...	38·4	42·6	17·0	38·8	40·1	14·2	51·2	53·0	20·5	9·36	2·30	38·0	9·04	2·36	37·5	11·45	2·65	46·5
September ...	35·3	38·0	17·3	34·7	39·0	13·1	45·0	73·1	82·2	8·32	2·02	32·9	8·45	2·10	33·1	16·55	3·31	38·7
October ...	25·6	33·6	20·5	25·1	26·6	8·4	28·7	72·5	98·7	7·70	1·71	23·6	5·43	1·46	23·6	15·25	3·98	45·8
November ...	15·6	22·8	6·8	15·1	15·4	4·8	21·2	35·6	21·1	4·96	0·92	14·1	3·44	0·83	13·0	7·50	1·46	19·9
December ...	12·0	18·5	7·9	8·0	13·6	4·1	23·6	36·0	20·2	4·06	0·79	10·4	2·98	0·43	5·6	7·44	2·12	24·4
Year ...	26·4	30·7	14·5	25·6	28·1	9·8	31·9	41·8	41·0	6·67	1·37	25·3	6·22	1·50	25·4	9·41	1·83	29·9
Winter ...	16·6	22·0	8·9	12·8	14·6	3·6	19·9	33·9	24·4	4·92	0·94	13·8	3·20	0·72	11·1	7·43	1·51	18·0
Equinox ...	32·1	37·2	17·2	28·8	33·6	12·0	38·2	57·3	67·4	8·17	1·78	28·7	7·37	1·67	28·2	13·08	2·46	32·9
Summer ...	38·7	43·0	19·0	37·1	38·8	15·9	52·0	57·9	33·8	8·88	2·23	39·4	8·30	2·24	38·1	11·52	2·90	55·0

NON-CYCLIC CHANGE (24h.—0h.).

278. Eskdalemuir. **1923.**

Month.	"All" Days.			Quiet Days.			Disturbed Days.		
	N.	W.	V.	N.	W.	V.	N.	W.	V.
	γ	γ	γ	γ	γ	γ	γ	γ	γ
January ...	0·0	−0·4	−0·4	−0·6	+1·6	−1·2	−1·4	−2·2	−2·4
February ...	0·0	−1·0	−0·5	+2·0	−1·8	−0·8	−4·6	−6·2	−0·6
March ...	0·0	+0·3	+0·2	+2·2	+0·8	−1·2	0·0	+2·6	−6·4
April ...	+0·4	+0·5	−0·2	−0·8	−1·4	+1·7	−3·6	−4·6	−6·2
May ...	−0·3	−0·6	−0·1	+1·8	0·0	+0·2	−9·0	−12·6	−2·4
June ...	−0·1	+0·8	+1·1	+2·8	+0·8	−0·4	−11·6	−1·8	+3·2
July ...	+0·4	−0·4	+0·5	+3·6	+1·8	0·0	−11·2	−7·2	+5·0
August ...	−0·2	−0·4	−0·3	+1·0	+1·2	−0·8	−3·6	−2·8	+0·4
September ...	−0·6	+0·4	−0·4	−0·6	−1·0	+0·6	0·0	+1·2	−3·4
October ...	−0·1	−0·3	−0·1	+1·6	0·0	−0·8	−3·0	+3·0	+3·6
November ...	+0·5	+0·2	−0·8	+1·4	−1·4	−1·2	−7·8	−18·6	−4·2
December ...	+0·9	+0·2	−1·5	+2·8	+1·6	−2·6	+1·8	−2·0	−1·6
Year 1923 ...	—	—	—	—	—	—	—	—	—

MEAN VALUE OF THE SQUARES OF THE ABSOLUTE DAILY RANGES.

(Unit, $100\gamma^2$.)

279. Eskdalemuir. **1923.**

R_N^2	R_W^2	R_V^2	$R_N^2 + R_W^2$	$R_N^2 + R_W^2 + R_V^2$	Mean Character Figure.
17·2	26·2	4·0	43·4	47·4	0·35
60·7	45·5	18·2	106·2	124·4	0·54
55·4	86·2	$37·5_1$	141·6	$187·4_1$	0·52
55·1	48·0	$12·7_2$	103·1	$118·1_2$	0·47
45·4	41·3	17·3	86·7	104·0	0·45
56·9	54·5	$15·6_3$	111·4	$129·0_3$	0·40
41·0	34·5	8·9	75·5	84·4	0·29
37·3	31·7	6·0	69·0	75·0	0·32
80·5	72·7	50·9	153·1	204·0	0·37
70·8	66·6	60·9	137·4	198·3	0·39
22·8	29·5	3·6	52·3	55·9	0·43
24·3	25·2	$3·8_4$	49·5	$54·7_4$	0·39
47·3	46·8	20·0	94·1	115·2	0·41

$_1$Mean of 29 days; $_2$Mean of 29 days; $_3$Mean of 28 days; $_4$Mean of 30 days.

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS.

(All days except those noted in monthly tables.)

280. Eskdalemuir. **1923.**

Month.	North.	West.	Vertical.	Total.	Declination (West).		Inclination (North).		Horizontal Force.
	γ	γ	γ	γ	°	′	°	′	γ
January ...	15999	4687	44935	47928	16	19·7	69	38·7	16671
February ...	16002	4680	44947	47940	16	18·1	69	38·9	16672
March ...	16000	4675	44949	47940	16	17·3	69	39·2	16669
April ...	16007	4670	44948	47941	16	15·9	69	38·8	16674
May ...	16012	4665	44946	47940	16	14·6	69	38·5	16678
June ...	16014	4663	44951	47946	16	14·1	69	38·6	16679
July ...	16024	4658	44976	47972	16	12·5	69	38·6	16687
August ...	16022	4655	44978	47973	16	12·0	69	38·8	16685
September ...	16016	4651	44950	47944	16	11·6	69	38·6	16678
October ...	16011	4646	44959	47950	16	10·9	69	39·3	16671
November ...	16015	4643	44961	47953	16	10·1	69	39·1	16674
December ...	16013	4637	44946	47938	16	9·0	69	39·0	16671
Year 1923 ...	16011	4661	44954	47947	16	13·8	69	38·8	16676

Values of a_n, b_n in the series $\Sigma\ (a_n \cos 15nt^\circ + b_n \sin 15nt^\circ)$, t being reckoned in hours from midnight G.M.T.

281. Eskdalemuir. (Longitude of Eskdalemuir Observatory, 3° 12′ W.) **1923.**

Month and Season.	North Component.								West Component.								Vertical Component.							
	a_1.	b_1.	a_2.	b_2.	a_3.	b_3.	a_4.	b_4.	a_1.	b_1.	a_2.	b_2.	a_3.	b_3.	a_4.	b_4.	a_1.	b_1.	a_2.	b_2.	a_3.	b_3.	a_4.	b_4.
	"All" Days.																							
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 2·4	+ 1·9	−3·1	−1·0	+1·7	−2·0	−0·5	+0·5	− 6·6	− 1·1	−0·4	+ 4·4	−1·1	−0·3	+0·9	+1·8	+ 1·2	− 4·4	− 0·6	−0·5	+0·3	−0·1	−0·5	−0·1
Feb.	+ 6·2	+ 2·6	−5·5	−0·6	+2·2	−1·8	−0·4	+0·4	− 8·3	− 2·6	+1·2	+ 5·0	−0·5	−1·7	+0·6	+1·6	+ 0·2	− 5·9	− 2·4	−0·8	+0·7	+0·5	−0·5	−0·2
Mar.	+10·5	− 0·2	−6·4	−1·3	+3·2	−2·1	−0·6	+0·4	− 9·3	− 6·9	+3·2	+ 7·4	−2·2	−3·5	+1·1	+2·1	+ 0·7	− 6·9	− 4·8	−1·5	+1·9	+0·5	−0·5	−0·6
Apr.	+15·9	− 2·4	−9·5	−0·9	+3·6	−2·6	+0·3	+1·5	− 7·1	−12·0	+2·8	+11·1	−3·2	−5·1	+2·5	+1·4	+ 2·5	− 4·0	− 5·4	−2·3	+1·8	+0·3	−1·3	0·0
May	+12·2	− 6·4	−8·3	+0·4	+1·5	−0·4	+1·0	+0·1	− 5·1	−14·8	+3·2	+ 7·1	−2·1	−1·5	+0·7	+0·3	+ 4·4	− 5·2	− 5·8	−1·6	+0·7	−0·3	−0·2	+0·1
June	+14·2	− 5·7	−9·2	+0·9	+2·0	−1·0	+0·1	+1·2	− 3·0	−17·1	+3·1	+10·0	−2·1	−2·3	+0·2	+0·4	+ 3·5	− 5·2	− 5·2	−1·0	+1·3	+0·8	−0·2	+0·1
July	+12·3	− 4·7	−6·6	−0·3	+0·9	−0·7	+0·6	+1·0	− 3·5	−15·5	+3·2	+ 7·1	−2·4	−2·7	+0·6	+1·1	+ 2·9	− 3·6	− 3·7	−1·9	+0·8	0·0	−0·1	0·0
Aug.	+13·8	− 4·6	−7·5	+2·2	+1·3	−2·1	+0·4	+1·1	− 6·6	−12·0	+6·0	+ 6·6	−3·6	−2·5	+0·5	+1·3	+ 3·6	− 2·8	− 4·1	−0·2	+2·0	−0·1	−0·8	−0·2
Sept.	+13·7	− 2·8	−7·0	+1·1	+1·9	−2·6	−0·4	+0·8	− 9·1	− 8·9	+2·8	+ 6·9	−4·1	−3·2	+1·6	+0·6	− 0·1	− 5·0	− 4·4	−1·9	+1·4	−0·2	−0·7	−0·2
Oct.	+ 9·7	+ 1·0	−6·3	+0·8	+2·0	−1·6	+0·1	+1·1	− 9·6	− 2·5	+0·9	+ 6·8	−2·5	−3·1	+2·8	+1·8	− 3·4	− 7·4	− 3·6	−0·1	+1·6	+1·0	−1·4	−0·2
Nov.	+ 4·3	+ 1·2	−3·7	+0·2	+1·1	−1·7	+0·3	+0·7	− 7·0	− 0·8	−1·0	+ 3·8	−2·1	+0·5	+1·5	+1·2	+ 0·2	− 3·4	− 0·7	−0·2	+0·2	−0·9	−0·4	+0·1
Dec.	+ 2·0	+ 2·2	−2·8	−0·9	+1·7	−0·9	0·0	+0·5	− 6·6	+ 0·6	0·0	+ 4·0	−1·3	−0·6	+0·4	+0·7	+ 0·7	− 3·8	− 0·9	−0·4	+0·5	−0·5	−0·2	−0·1
Year	+ 9·8	− 1·5	−6·3	0·0	+1·9	−1·6	+0·1	+0·8	− 6·8	− 7·9	+2·1	+ 6·7	−2·3	−2·2	+1·1	+1·2	+ 1·4	− 4·8	− 3·5	−1·0	+1·1	+0·1	−0·5	−0·1
W.	+ 3·7	+ 2·0	−3·8	−0·6	+1·7	−1·6	−0·1	+0·5	− 7·1	− 1·0	−0·1	+ 4·3	−1·2	−0·5	+0·8	+1·3	+ 0·6	− 4·4	− 1·1	−0·5	+0·4	−0·3	−0·4	−0·1
Eq.	+12·4	− 1·1	−7·3	−0·1	+2·7	−2·2	−0·1	+1·0	− 8·8	− 7·6	+2·4	+ 8·0	−3·0	−3·7	+2·0	+1·5	− 0·1	− 5·8	− 4·5	−1·5	+1·7	+0·4	−1·0	−0·2
S.	+13·1	− 5·3	−7·9	+0·8	+1·4	−1·1	+0·6	+0·8	− 4·5	−15·1	+3·9	+ 7·7	−2·6	−2·3	+0·5	+0·8	+ 3·6	− 4·2	− 4·7	−1·1	+1·2	+0·1	−0·3	0·0
	Quiet Days.																							
Year	+ 8·8	− 1·6	−6·1	+0·1	+1·9	−1·3	−0·1	+0·9	− 3·1	− 7·8	+2·9	+ 5·1	−2·6	−2·3	+1·1	+1·1	+ 2·7	− 0·6	− 2·5	−0·3	+1·3	0·0	−0·5	0·0
W.	+ 2·9	+ 0·2	−3·7	−0·6	+1·4	−1·0	0·0	+0·5	− 3·4	− 2·0	+0·7	+ 3·0	−1·8	−1·0	+1·0	+0·8	+ 0·5	− 1·1	− 0·4	0·0	+0·6	−0·3	−0·3	0·0
Eq.	+10·8	− 0·8	−6·6	−0·1	+2·5	−1·8	−0·3	+1·2	− 3·5	− 8·0	+3·3	+ 5·6	−3·5	−3·5	+1·6	+1·5	+ 3·2	− 0·5	− 2·8	−0·2	+2·0	+0·3	−0·8	−0·2
S.	+12·7	− 4·3	−8·1	+0·8	+1·8	−1·3	+0·1	+0·8	− 2·2	−13·4	+4·7	+ 6·6	−2·6	−2·4	+0·6	+1·1	+ 4·5	− 0·2	− 4·3	−0·6	+1·4	−0·1	−0·4	+0·1
	Disturbed Days.																							
Year	+11·2	− 2·9	−7·2	+0·6	+1·8	−2·3	+0·1	0·0	−14·1	− 7·5	+1·0	+ 9·2	−1·0	−2·0	+1·3	+1·2	− 4·1	−15·5	− 6·9	−2·9	+1·1	+0·9	−0·4	+0·2
W.	+ 5·2	+ 3·9	−3·9	−0·5	+1·7	−2·5	−0·5	+1·0	−12·3	+ 0·5	−0·8	+ 5·8	+0·5	+0·3	+0·8	+2·5	− 0·1	−10·4	− 3·4	−1·4	−0·2	−0·1	−0·4	−0·1
Eq.	+13·1	− 2·6	−8·1	+0·3	+3·1	−2·2	−0·5	−0·3	−19·2	− 2·1	+0·2	+12·7	−2·0	−4·8	+2·3	+0·9	−13·8	−22·6	−10·4	−4·6	+1·9	+2·0	−0·6	+0·1
S.	+15·4	−10·0	−9·7	+1·9	+0·6	−2·1	+1·2	−0·7	−10·6	−20·9	+3·8	+ 9·2	−1·5	−1·4	+0·8	+0·4	+ 1·6	−13·6	− 6·8	−2·7	+1·7	+0·8	−0·1	+0·7

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE.

Values of c_n, α_n in the series $\Sigma c_n \sin (15n\mathrm{T}^\circ + \alpha_n)$, T being Mean Local Time reckoned in hours from midnight.

282. Eskdalemuir. **1923.**

Month and Season.	North Component.								West Component.								Vertical Component.							
	c_1.	α_1.	c_2.	α_2.	c_3.	α_3.	c_4.	α_4.	c_1.	α_1.	c_2.	α_2.	c_3.	α_3.	c_4.	α_4.	c_1.	α_1.	c_2.	α_2.	c_3.	α_3.	c_4.	α_4.
	"All" Days.																							
	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
Jan.	3·0	55·1	3·3	258·3	2·6	148·8	0·7	331·1	6·7	264·2	4·4	0·6	1·1	265·2	2·0	37·9	4·5	167·4	0·8	238·3	0·4	119·4	0·5	272·5
Feb.	6·7	70·6	5·5	269·6	2·8	139·8	0·5	330·7	8·7	256·0	5·2	19·9	1·8	204·5	1·7	33·2	5·9	181·3	2·5	256·7	0·9	63·2	0·6	256·7
Mar.	10·5	94·3	6·5	265·0	3·8	133·1	0·7	319·7	11·6	236·6	8·1	29·5	4·1	221·8	2·4	40·9	6·9	177·8	5·0	258·4	2·0	84·1	0·8	231·5
April	16·1	101·6	9·5	270·9	4·4	135·1	1·6	25·7	14·0	213·9	11·4	20·3	6·0	221·8	2·9	73·9	4·7	151·9	5·8	253·5	1·9	88·8	1·3	284·7
May	13·8	120·8	8·3	279·5	1·6	115·6	1·0	99·9	15·6	202·1	7·8	30·9	2·6	244·9	0·7	75·5	6·8	143·0	6·0	261·2	0·7	125·6	0·2	317·2
June	15·3	115·2	9·2	281·8	2·2	127·3	1·2	19·5	17·3	193·3	10·4	23·8	3·1	231·7	0·5	32·9	6·3	149·7	5·3	266·0	1·5	67·2	0·2	306·1
July	13·1	114·0	6·7	273·7	1·1	140·2	1·1	45·3	15·9	195·8	7·8	31·1	3·7	231·0	1·3	42·8	4·7	144·6	4·1	249·6	0·8	97·6	0·1	287·3
Aug.	14·5	111·5	7·8	292·6	2·5	158·6	1·2	34·7	13·7	211·9	8·9	48·5	4·4	245·1	1·4	32·8	4·6	131·8	4·1	273·6	2·0	102·4	0·8	267·4
Sept.	13·9	104·6	7·1	285·3	3·2	153·1	0·9	343·7	12·7	228·7	7·5	28·3	5·2	241·5	1·7	81·4	5·0	184·4	4·8	252·5	1·4	107·0	0·7	270·9
Oct.	9·7	87·4	6·4	284·0	2·5	138·0	1·1	20·0	9·9	258·8	6·8	14·3	4·0	228·3	3·3	70·0	8·2	207·6	3·6	275·1	1·9	69·0	1·4	274·6
Nov.	4·5	77·3	3·7	279·8	2·0	158·3	0·8	35·9	7·1	266·5	4·0	352·1	2·2	291·8	1·9	63·8	3·4	179·7	0·7	260·5	1·0	177·4	0·4	296·4
Dec.	3·0	45·3	2·9	257·9	1·9	127·1	0·5	8·9	6·6	278·1	4·0	6·0	1·5	254·1	0·8	40·3	3·9	172·5	1·0	253·3	0·7	145·7	0·2	251·3
Year	9·9	101·8	6·3	276·8	2·5	140·1	0·8	20·1	10·4	224·1	7·0	23·7	3·2	235·8	1·6	55·5	5·0	167·4	3·6	259·7	1·1	95·1	0·6	272·0
W.	4·2	65·3	3·8	267·4	2·3	143·8	0·5	357·5	7·2	265·4	4·3	5·6	1·4	256·0	1·6	44·7	4·4	175·5	1·3	252·6	0·5	130·4	0·4	270·2
Eq.	12·5	98·2	7·3	275·9	3·5	139·2	1·0	5·6	11·6	232·4	8·4	23·1	4·8	228·4	2·5	66·4	5·8	184·1	4·8	258·6	1·7	85·8	1·0	269·7
S.	14·2	115·3	8·0	282·1	1·8	137·3	1·0	47·2	15·7	200·0	8·6	33·3	3·4	238·3	0·9	44·3	5·5	143·0	4·8	262·7	1·2	94·7	0·3	282·3
	Quiet Days.																							
Year	9·0	103·8	6·1	277·0	2·3	135·1	0·9	8·2	8·4	204·6	5·9	36·1	3·5	238·3	1·6	55·9	2·8	105·2	2·5	270·0	1·3	101·1	0·5	278·2
W.	2·9	89·7	3·7	267·7	1·7	134·3	0·5	14·8	4·0	243·6	3·1	20·2	2·1	251·3	1·3	63·5	1·2	157·5	0·4	276·7	0·7	125·5	0·3	279·6
Eq.	10·8	97·7	6·6	275·8	3·1	134·8	1·3	357·5	8·8	206·7	6·5	36·6	4·9	234·4	2·1	59·7	3·3	102·1	2·8	272·0	2·0	92·2	0·9	269·2
S.	13·4	131·7	8·1	282·2	2·2	136·4	0·9	20·2	13·6	192·6	8·1	41·7	3·6	236·4	1·3	41·8	4·5	95·2	4·3	268·1	1·4	102·4	0·4	295·6
	Disturbed Days.																							
Year	11·6	107·8	7·3	281·0	2·9	150·8	0·1	88·9	15·9	245·1	9·3	12·8	2·2	216·3	1·8	59·0	16·1	197·9	7·5	253·3	1·5	59·8	0·5	315·5
W.	6·4	56·5	3·9	269·1	3·0	154·6	1·1	343·8	12·3	275·4	5·8	358·1	0·6	66·7	2·6	31·9	10·4	183·6	3·7	253·3	0·2	263·6	0·4	272·7
Eq.	13·4	104·6	8·2	278·6	3·8	134·4	0·5	252·0	19·3	267·0	12·7	7·1	5·2	211·8	2·4	82·1	26·5	214·6	11·4	252·3	2·8	52·5	0·6	294·6
S.	18·3	126·2	9·9	287·7	2·2	174·0	1·4	130·9	23·5	210·1	10·0	28·7	2·0	236·1	0·9	74·8	13·7	176·3	7·3	254·9	1·8	72·9	0·7	0·7

SEISMOLOGICAL DIARY: *Instruments.*—Two horizontal and one vertical Galitzin Seismographs, with galvanometric registration.
Lat. 55° 19′ N. Long. 3° 12′ W. Height above M.S.L. 242 metres.

283. Eskdalemuir. **1923.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ	Remarks.
		h. m s.	s.	μ	μ	km.	
Jan. 12	...	2 39 to 3 15	...	...	...	...	Small disturbance.
13	L	10 30	...	...	...	...	
	M_E	10 36 } 37 }	25	...	2	..	
	M_N	10 38 } 39 }	24	3	...	...	
	M_E	10 39	20	...	3	...	
	M_N	10 49 } 50 }	18	2	...	...	
	F	11 10	...	...	...	...	
21	i (? S)	4 23 6	...	...	...	(3600)	
	L	4 26 46	...	...	...	...	L irregular and confused by microseisms.
	F	4 45	...	...	...	...	
22	? S	1 37	...	...	...	...	Confused by microseisms and wind effects.
	L	2 5	...	...	...	...	
	F	3	...	...	...	...	
22	i P_E	9 15 42	...	...	...	(8160)	i P_E approximate only, owing to partial failure of time marks.
	i S_E	9 25 10	...	...	...	...	
	SR_1	9 30	...	...	...	...	
	SR_2	9 33	...	...	...	...	
	L	9 36	...	...	...	...	
	M_E	9 42·5	22	...	−71	...	
	M_N	9 45·5	19	...	−64	...	
	F	11	...	...	...	...	
27	L	8 34	...	...	...	...	Slight disturbance; confused by microseisms.
	F	9	...	...	...	...	
Feb. 1	L	20 26	...	...	...	...	Confused by microseisms and wind effects.
	F	21 30	...	...	...	...	
2	? S	1 27 14	...	...	...	...	Greatly confused by microseisms and wind effects.
	L	?	...	...	...	...	
	F	3	...	...	...	...	
2	P_E	5 19	...	...	...	(8000)	
	i S_E	5 28 17	...	...	...	...	
	SR_1	5 33 11	...	...	...	...	
	SR_2	5 36 15	...	...	...	...	
	F	9	...	...	...	...	
3	i P	16 12 58	...	...	...	...	Very severe disturbance. Records too confused to allow of identification of other phases.
			...	...	...	...	
			...	...	...	...	
			...	...	...	...	
4	...	13 to 14	...	...	...	...	Slight disturbance; confused by microseisms.
			...	...	...	...	
5	...	23 to 24	...	...	...	...	Small disturbance; confused by microseisms.
			...	...	...	...	
6	...	15 31 to 15 33	...	...	...	...	Trace of waves; greatly confused by microseisms.
			...	...	...	...	
11	i_E	23 5 52	...	...	...	...	Confused by microseisms.
	e_E	23 11	...	...	...	...	
	L	23 25	...	...	...	...	
	F	24 15	...	...	...	...	
12	i (? S)	2 18 57	...	...	...	...	
	? SR_1	2 23 37	...	...	...	...	
	L	2 31	...	...	...	...	
	M_E	2 34 } 35 }	20	...	9	...	
	M_N	2 39 } 40 }	20	−10	...	...	
	M_E	2 49	16	−12	...	...	
	F	3 30	...	...	...	...	
15	...	23 to 24	...	...	...	...	Slight disturbance.
			...	...	...	...	
16	e_E	7 2 57	...	...	...	...	
	M	7 22	18	2	3	...	
	F	7 50	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ	Remarks.
		h. m. s.	s.	μ	μ	km.	
Feb. 16	e	9 37 23	...	...	...	...	
	L	9 52	...	...	...	...	
	F	10 40	...	...	...	...	
19	...	0 to 1	...	...	...	...	Very slight disturbance; confused by microseisms.
21	...	1 to 2	...	...	...	...	Slight disturbance; masked by heavy microseisms.
23	? P_N	6 18 31	...	...	...	...	
	e (? S)	6 26 35	...	...	...	...	Confused by microseisms.
	e(? SR_1)	6 30 9	...	...	...	...	
	L	6 42	...	...	...	...	
	M_N	7 3	20	12	...	...	
	F	7 30	...	...	...	...	
24	i P	7 45 50	...	...	...	7650	
	i S	7 54 52	...	...	...	...	Value of A_N is the largest recorded. Impossible to assign time owing to overlapping of records.
	SR_1	8 0 6	...	...	...	...	
	L	8 8	...	...	...	...	
	M_N	...	18	68	...	...	
	F	11 30	...	...	...	...	
28	e_N (? S)	22 27 8	...	...	...	...	
	L	22 28 28	...	...	...	...	
	M_N	22 31	12	5	...	...	
	F	22 50	...	...	...	...	
Mar. 1	? e_N	8 37 48	...	...	...	...	Record defective.
	F	10	...	...	...	...	
2	S	17 14 45	...	...	...	...	Initial phase masked by microseisms.
	SR_1	17 22 21	...	...	...	...	
	SR_2	17 26 21	...	...	...	...	
	L	17 37	...	...	...	...	
	M_N	17 42 43	36	+110	...	...	
	M_N	17 49 41	24	+70	...	...	
	M_E	17 54 44	21	+59	...	...	
	M_N	17 56 56	18	+65	...	...	
	F	19 30	...	...	...	...	
3	e_N	22 36	...	...	...	...	
	e_N	22 43	...	...	...	...	
	L	22 53	...	...	...	...	
	F	23 25	...	...	...	...	
4	e (? S)	0 27 12	...	...	...	...	
	L	0 34	...	...	...	...	
	F	1 30	...	...	...	...	
4	...	7 30 to 8 30	...	...	...	...	Small disturbance.
13	...	20 to 21	...	...	...	...	Very slight disturbance.
14	...	21 to 23	...	...	...	...	Disturbance with a well-marked L phase. Record confused by overlapping.
15	P_N	5 44 26	...	...	...	2010	
	P_E	5 44 24	...	...	...	...	
	e_E	5 47 45	...	...	...	...	
	S_E	5 47 50	...	...	...	...	
	i_E	5 47 55	...	...	...	...	
	L_E	5 48 50	...	...	...	...	
	M_E	5 51 0	18	+29	...	...	
	M_E	5 51 58	18	−33	...	...	
	M_E	5 52 37	14	−38	...	...	
	F	7	...	...	...	...	
16	e P_E	22 15 39	...	...	...	...	Times somewhat doubtful.
	e_E(?PR)	22 20 7	...	...	...	...	
24	e P	12 51 (30)	...	...	...	(8120)	P masked by microseisms.
	S	13 0 54	...	...	...	...	
	S R_1	13 5 (40)	...	...	...	...	
	S R_2	13 9	...	...	...	...	
	L	13 12	...	...	...	...	
	M_E	13 19 18	26	−150	...	...	
	M_N	13 24 38	20	−100	...	...	
	M_E	13 27 22	20	−96	...	...	
	M_N	13 34 2	20	−48	...	...	
	F	16	...	...	...	...	

SEISMOLOGICAL DIARY : *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration—*continued.*

Lat. 55° 19′ N. Long. 3° 12′ W. Height above M.S.L. 242 metres.

283. Eskdalemuir. **1923.**

Date	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
Mar.							
26	...	4 24 to	...	...	...	...	Traces of feeble disturbance.
		4 52	...	...	...	...	
26	...	6 0 to	...	...	...	...	Traces of feeble disturbance.
		6 15	...	...	...	...	
26	...	14 30 to	...	...	...	...	Traces of feeble disturbance.
		15 15	...	...	...	...	
April.							
5	e (L)	22 54	...	...	...	...	
	F	23 10	...	...	...	...	
13	e P_N	15 42 (0)	...	...	...	(7600)	e P_N indistinct. Time approximate.
	i S_N	15 51 1	...	...	...	...	
	i_N(SR$_1$)	15 55 31	...	...	...	...	
	L_N	16 4	...	...	...	...	
	M_N	16 15 4	18	28	...	...	
	M_N	16 17 7	16	−29	...	...	
	M_N	16 26 24	18	−23	...	...	
	F	18 30	...	...	...	...	
13	...	21 15 to	...	...	...	...	Traces of slight disturbance.
		21 50	...	...	...	...	
19	i_E	3 27 39	...	...	...	...	No horizontal component records available.
	F	5	...	...	...	...	
23	e P_E	3 29 40	...	...	...	9340	
	e_E	3 33 11	...	...	...	...	
	e S_E	3 40 7	...	...	...	...	
	e_E	3 41 17	...	...	...	...	
	SR$_1$	3 46 5	...	...	...	...	
	L	3 59	...	...	...	...	
	M_E	4 6 19	20	...	−28	...	
	M_E	4 14 15	15	...	+20	...	
	F	6	...	...	...	...	
23	e_E	7 4	...	...	...	...	
	e_E	7 10 30	...	...	...	...	Feeble.
	e L	7 20	...	...	...	...	
	F	7 35	...	...	...	...	
24	e L	22 38	...	...	...	...	Slight disturbances.
	F	22 52	...	...	...	...	
24	e L	23 16	...	...	...	...	
	F	23 25	...	...	...	...	
25	L	20 0	...	...	...	...	
	F	20 30	...	...	...	...	
27	L	11 23	...	...	...	...	
	F	12	...	...	...	...	
29	...	3 to	...	...	...	...	Slight disturbance.
		3 30	...	...	...	...	
29	? S	9 45 30	...	...	...	...	
	L	9 50	...	...	...	...	L phase irregular.
	F	10 45	...	...	...	...	
30	L	20 55	...	...	...	...	
	F	21 15	...	...	...	...	
May.							
1	? S	11 5 46	...	...	...	...	The most marked movement began at 11h. 5m. 46s. on N.-S. L. not well developed.
	e (? SR)	11 11 46	...	...	...	...	
	L	11 29	...	...	...	...	
	F	12 15	...	...	...	...	
2	...	16 50 to	...	...	...	...	Small disturbance.
		17 20	...	...	...	...	
4	P	16 37 38	...	...	...	7560	
	PR$_1$	16 40 15	...	...	...	...	
	PR$_2$	16 41 49	...	...	...	...	
	i S	16 46 36	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
May							
4	L	16 59	...	...	...	...	
cont.	M_N	17 2 29	30	−185	...	...	
	M_E	17 2 19	28	...	−127	...	
	M_N	17 5	25	−174	...	...	
	M_N	17 10 4	18	+ 83	...	...	Wave motion continued until 21h.
	F	...	...	...	...	...	
4	e	22 40 57	...	...	...	...	
	e	22 45 17	...	...	...	...	
	i_N(?S)	22 51 3	...	...	...	...	
	L	23 10	...	...	...	...	
5	F	1 0	...	...	...	...	
5	...	15 35 to	...	...	...	...	Trace of slight disturbance.
		15 55	...	...	...	...	
8	...	19 42 to	...	...	...	...	Trace of L waves. Very feeble.
		20	...	...	...	...	
10	e_E	4 12 14	...	...	...	...	
	e_N	4 14 4	...	...	...	...	
	e_E	4 20 18	...	...	...	...	
	F	5 45	...	...	...	...	
12	?e_E	1 45	...	...	...	...	
	? L	2 8	...	...	...	...	
	M_N	2 21 50	26	15	...	...	
	M_N	2 26 49	22	9	...	...	
	F	3	...	...	...	...	
12	...	23 8 to	...	...	...	...	Feeble disturbance.
		23 35	...	...	...	...	
15	L	5 12	...	...	...	...	Very feeble.
	F	5 40	...	...	...	...	
15	? e_N	21 53	...	...	...	...	Slight disturbance.
	e_E	22 10 30	...	...	...	...	
	L	22 45	...	...	...	...	
	F	23 30	...	...	...	...	
22	...	13 to	...	...	...	...	Slight disturbance.
		13 30	...	...	...	...	
23	eP_N	22 48 20	...	...	...	8120	
	eS_N	22 57 46	...	...	...	...	
	L	23 13	...	...	...	...	
	M_N	23 23 19	17	−9	...	...	
	M_N	23 29 9	17	13	...	...	
	F	2	...	...	...	...	
25	? e	22 41	...	...	...	...	
	L	22 50	...	...	...	...	Confused by microseisms.
	M_N	22 54	17	7	...	...	and wind disturbance.
	F	23 30	...	...	...	...	Destructive earthquake in Persia.
25	...	4 to	...	...	...	...	Disturbance; confused by
		5	...	...	...	...	wind and microseisms.
28	iP_Z	1 39 6	...	...	...	9740	
	PR$_{1Z}$	1 42 50	...	...	...	...	eS and L not clearly defined.
	eS_N	1 49 53	...	...	...	...	
	L	2 12	...	...	...	...	
	M_N	2 21 46	22	16	...	...	
	M_N	2 26 26	20	13	...	...	
	F	3 30	...	...	...	...	
30	eP_Z	8 38 46	...	...	...	...	No horizontal component records. From P and PR, Δ = 5600 km.
	PR$_{1Z}$	8 40 55	...	...	...	...	
30	P_Z	18 5 8	...	...	...	4740	
	PR$_1$	18 6 59	...	...	...	...	
	eS	18 11 36	...	...	...	...	
	F	19 30	...	...	...	...	
31	...	6 40 to	...	...	...	...	Slight disturbance shown on vertical record. No horizontal component records.
		7 20	...	...	...	...	
31	eP_Z	22 13 9	...	...	...	...	No horizontal component records.

SEISMOLOGICAL DIARY: *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration—*continued.*
Lat. 55° 19′ N. Long. 3° 12′ W. Height above M.S.L. 242 metres.

283. Eskdalemuir. **1923.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
June							
1	P	17 37 16	...	...	...	9340	Compression.
	S	17 47 43	...	...	...	...	
	L	18 5 58	...	...	...	...	
	M_N	18 12 40	20	36	...	...	
	M_E	18 19 41	18	43	...	...	
	M_E	18 22 18	16	42	...	...	
	F	(20 30)	...	...	...	...	
1	P	20 28 16	...	...	...	9320	Epicentre apparently the same as that of previous shock. Initial movements of P and of S in the two cases were very similar in form.
	S	20 38 42	...	...	...	...	
	L	20 57	...	...	...	...	
	M_N	21 5 25	20	−16	...	...	
	M_E	21 10 11	17	18	...	...	
	F	23 30	...	...	...	...	
2	...	2 to	...	...	...	...	Trains of L waves of small amplitude.
		2 50	...	...	...	...	
3	? e_E	11 50	...	...	...	...	
	F	13 10	...	...	...	...	
7	...	23 30 to	...	...	...	...	Trace of slight disturbance on vertical record.
		23 35	...	...	...	...	
17	e	18 10 6	...	...	...	...	
	F	18 30	...	...	...	...	
18	P	8 35 19	...	...	...	...	
	i_E	8 36 6	...	...	...	...	
	e_E	8 38 29	...	...	...	...	
	? L	8 58	...	...	...	...	
	F	10 30	...	...	...	...	
19	i P	22 53 44	...	...	...	6730	
	e_E (? PR_1)	22 55 55	...	...	...	...	
	PR_2	22 57 25	...	...	...	...	
	eS	23 1 59	...	...	...	...	
	SR_1	23 6 15	...	...	...	...	
	L	23 13	...	...	...	...	
20	F	0 15	...	...	...	...	
21	e (?L)	12 56	...	...	...	...	Small disturbance.
	F	13 15	...	...	...	...	
22	iS	7 6 35	...	...	...	...	P masked by wind disturbance.
	SR_1	7 12	...	...	...	...	Δ probably about 8000 km.
	L	7 21	...	...	...	...	
	M_N	7 27 } 28	28	190	...	...	
	M_E	7 30 } 31	21	150	...	...	
	F	...	...	...	...	...	(Record failed before end of disturbance.)
28	e_E (?S)	15 17 20	...	...	...	...	Very feebly developed.
	L	15 19	...	...	...	...	
	F	15 26	...	...	...	...	
29	...	11 30 to	...	...	...	...	Trace of disturbance.
		12	...	...	...	...	
July							
2	...	...	...	...	...	...	Earthquake recorded in early hours (approx. 2h.–4h.), but time marks were lacking.
2	e_E	23 42 14	...	...	...	...	
5	L	2 27	...	...	...	...	
	F	2 33	...	...	...	...	
10	? e_E	0 43 11	...	...	...	...	
	e_E	0 47 4	...	...	...	...	
	e_E (?S)	0 53 54	...	...	...	...	
	e	0 56 38	...	...	...	...	
	L	1 14	...	...	...	...	
	M_E	1 27 42	20	3	...	...	
	F	3 30	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
July							
12	e	10 20	...	...	...	...	
	F	11 20	...	...	...	...	
13	i P	11 26 16	...	—	...	9280	Compression.
	PR_1	11 29 37	...	...	...	...	
	S	11 36 40	...	...	...	...	
	SR_1	11 43·5	...	...	...	...	
	L	11 54	...	...	...	...	
	M_N	12 1 22	26	+63	...	...	
	M_E	12 6 48	21	+69	...	...	
	M_E	12 10 40	17	+69	...	...	
	F	14 30	...	...	...	...	
14	? e P_E	0 9	...	...	...	...	
	? e S	0 19 33	...	...	...	...	
	L	0 36	...	...	...	...	
	M_N	0 48 } 49	26	11	...	...	
	M_E	0 53 } 54	17	7	...	...	
	F	1 15	...	...	...	...	
23	e_E	21 51	...	...	...	...	
	F	22 8	...	...	...	...	
29	...	10 to	...	...	...	...	Traces of slight disturbance.
		10 30	...	...	...	...	
31	e	5 58 7	...	...	...	...	
	F	6 40	...	...	...	...	
31	e	15 19 31	...	...	...	...	
	e	15 28 47	...	...	...	...	
	? L	15 43	...	...	...	...	
	F	17	...	...	...	...	
Aug.							
1	L	5 21	...	...	...	...	
	F	6 25	...	...	...	...	
1	e P	8 22 21	...	...	...	2950	
	iS	8 27 0	...	...	...	...	
	L	8 30	...	...	...	...	
	F	9	...	...	...	...	
4	L	17 38	...	...	...	...	
	F	18 20	...	...	...	...	
5	...	2 30	...	...	...	...	Trace of waves of low amplitude.
8	e_E (? P)	12 11 56	...	...	...	...	? Two earthquakes.
	e	12 20 24	...	...	...	...	
	e	12 21 8	...	...	...	...	
	e	12 28	...	...	...	...	
	e (? S)	12 35·5	...	...	...	...	
	L	12 42	...	...	...	...	
	M	12 50 } 51	17	5	10	...	
	F	13 45	...	...	...	...	
10	L	1 27	...	...	...	...	
	F	1 45	...	...	...	...	
10	? e	2 28 (40)	...	...	...	...	
	e	2 34 (20)	...	...	...	...	
	e	2 38	...	...	...	...	
	L	2 43	...	...	...	...	
	M_E	2 47	23	6	...	...	
	F	3 10	...	...	...	...	
10	e	16 19 27	...	...	...	...	
	L	16 36	...	...	...	...	
	F	17 5	...	...	...	...	
10	e	22 37 23	...	...	...	...	
11	F	0 30	...	...	...	...	

SEISMOLOGICAL DIARY: *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration—*continued.*

Lat. 55° 19′ N. Long. 3° 12′ W. Height above M.S.L. 242 metres.

283. Eskdalemuir. **1923.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
Aug.		h. m. s.	s.	μ	μ	km.	
11	e	1 13	...	...	...	...	
	e	1 19 12	...	...	...	...	
	L	1 45	...	...	...	...	
	M_N	1 51 59	28	28	...	...	
	M_E	1 52 40	26	...	24	...	
	F	3 20	...	...	...	...	
12	e	6 33 27	...	...	...	...	
	L	6 56	...	...	...	...	
	F	7 35	...	...	...	...	
12	? e P	10 19 3	...	...	...	?9310	
	? e PR_1	10 22 37	...	...	...	...	
	e S	10 29 29	...	...	...	...	
	e (?SR_1)	10 36	...	...	...	...	
	L	10 50	...	...	...	...	
	F	12	...	...	...	...	
12	e	17 34 32	...	...	...	...	
	L	17 41	...	...	...	...	
	F	18 15	...	...	...	...	
14	e (? S)	18 0 39	...	...	...	...	
	L	18 2·5	...	...	...	...	
	F	18 25	...	...	...	...	
16	? e P	20 34 30	...	...	...	?8400	
	S	20 44 12	...	...	...	...	
	e (SR_1)	20 49 40	...	...	...	...	
	L	?21 0	...	...	...	...	L doubtful: changing paper.
	F	21 45	...	...	...	...	
17	e	1 29 23	...	...	...	...	
	e	1 31 40	...	...	...	...	
	L	1 49	...	...	...	...	
	F	2 40	...	...	...	...	
17	...	13 to 14	...	...	...	...	Slight disturbance.
19	L	13 14	...	...	...	...	
	F	14 40	...	...	...	...	
23	...	6 to 6 30	...	...	...	...	Traces of long waves.
27	L	11 58	...	...	...	...	
	F	12 25	...	...	...	...	
28	? S	23 37 3	...	...	...	...	
...	L	23 49	...	...	...	...	
	M_E	23 55 22	21	...	26	...	
	M_N	23 55 49	20	32	...	...	
29	F	2 25	...	...	...	...	
Sept.							
1	...	...	...	...	...	...	The recording drums were under overhaul for two days prior to Sept. 1., and were not brought into action until after 9h. on that day.
	...	...	...	...	...	...	
	...	...	...	...	...	...	
	...	...	...	...	...	...	
	...	...	...	...	...	...	
	...	...	...	...	...	...	
1	...	12 1 to 12 12	...	...	...	...	Traces of waves of small amplitude.
1	...	14 33 to 15	...	...	...	...	Waves of small amplitude.
1	...	22 35 to 23 5	...	...	...	...	Slight disturbance.
1	...	23 34 to	...	...	...	...	Slight disturbance.
2	...	0 5	...	...	...	...	
2	...	1 50 to 2 20	...	...	...	...	Waves of small amplitude.
2	i P	2 59 11	...	...	...	9200	
	PR_1	3 2 34	...	...	...	...	
Sept.							
2 cont.	P R_2	3 4 29	...	...	...	...	S was followed immediately by two or three large sinusoidal movements; for N-S component period was 20s. and amplitude 145 μ.
	i S	3 9 35	...	...	...	...	
	S R_1	3 14 34	...	...	...	...	
	S R_2	3 19 4	...	...	...	...	
	L	3 27·5	...	...	...	...	
	M_N	3 34 40	24	−120	...	...	
	M_E	3 34 47	22	...	−109	...	
	M_N	3 36 23	21	−136	...	...	An aftershock of the great Japan earthquake of Sept. 1.
	M_E	3 36 40	19	...	−168	...	
	M_N	3 39 56	19	−119	...	...	
	M_N	3 43 24	17	−110	...	...	
	M_E	3 43 19	17	...	−105	...	
	M_N	3 49 35	16	−104	...	...	
	F	7 30	...	...	...	...	
2	P	9 39 25	...	...	...	9170	An aftershock of the great Japan earthquake of Sept. 1.
	P R_1	9 42 44	...	...	...	...	
	i S	9 49 44	...	...	...	...	
	S R_1	9 55 35	...	...	...	...	
	L	10 6	...	...	...	...	
	M_E	10 13 56	24	...	−25	...	
	M_N	10 15 25	26	22	...	...	
	M_N	10 20 18	21	−28	...	...	
	F	12 30	...	...	...	...	
2	L	13 50	...	...	...	...	
	F	14 35	...	...	...	...	
2	L	14 57	...	...	...	...	
	F	15 35	...	...	...	...	
2	e P	22 50 54	...	...	...	9150	
	i S	23 1 12	...	...	...	...	L irregular
3	F	1 30	...	...	...	...	
9	e P	22 15 13	...	...	...	7910	Epicentre N.E. of Calcutta.
	S	22 24 28	...	...	...	...	
	L	22 37	...	...	...	...	
	M_N	22 42 4	30	−110	...	...	
	M_E	22 46 4	21	− 73	...	...	
	M_N	22 48 19	21	− 61	...	...	
10	F	1 30	...	...	...	...	
10	L	9 44·5	...	...	...	...	
	F	10 10	...	...	...	...	
11	...	9 15 to 9 25	...	...	...	...	Small disturbance.
14	...	13 27 to 13 52	...	...	...	...	Small disturbance: confused by microseisms.
17	e_N	4 2 27	...	...	...	...	
	e_N	4 8 52	...	...	...	...	
	L	4 23	...	...	...	...	
	F	4 50	...	...	...	...	
17	...	7 to 9	...	...	...	...	Disturbance with well developed L waves. Record defective.
21	e	20 17 56	...	...	...	...	
	e	20 22	...	...	...	...	
	L	20 26	...	...	...	...	
	F	21	...	...	...	...	
22	...	21 to 23	...	...	...	...	Fairly large disturbance. Record defective.
23	e	17 48 18	...	...	...	...	
	L	18 0	...	...	...	...	
	F	18 40	...	...	...	...	
26	? S	2 47 8	...	...	...	...	
	L	2 54	...	...	...	...	
	F	4	...	...	...	...	

SEISMOLOGICAL DIARY: *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration—*continued*
Lat. 55° 19′ N. Long. 3° 12′ W. Height above M.S.L. 242 metres.

283. Eskdalemuir. **1923.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
Sept. 26	e P	8 37	...	...	...	...	
	S	8 46 49	...	...	...	...	
	L	9 2	...	...	...	...	
	M_E	9 7 55	30	...	37	...	
	M_N	9 9 8	28	31	...	...	
	M_E	9 10 32	22	...	29	...	
	M_N	9 11 34	22	−20	...	...	
	F	10	...	...	...	...	
30	...	...	...	...	...	...	Considerable disturbance in early hours. Time marks failed.
Oct. 1	...	8 to	...	...	...	...	Moderate disturbance. No time marks.
		9	...	...	...	...	
1	...	23 45 to	...	...	...	...	L waves: confused by wind disturbance and microseisms.
2	...	0 10	...	...	...	...	
3	L	16 35	...	...	...	...	
	F	17 10	...	...	...	...	
4	e	17 54 19	...	...	...	...	
	F	18 30	...	...	...	...	
7	e	3 49 16	...	...	...	...	
	S	3 59	...	...	...	...	
	? SR	4 5	...	...	...	...	
	L	4 20	...	...	...	...	
	M_E	4 32 3	24	−157	...	...	
	M_N	4 34 23	24	−105	...	...	
	M_E	4 40 52	20	− 96	...	...	
	F	6 30	...	...	...	...	
10	i P	7 15 11	...	...	...	...	Record too faint for identification of later phases.
11	? L	12 43	...	...	...	...	
	F	13 10	...	...	...	...	
13	e	4 48	...	...	...	...	
	e	4 52 30	...	...	...	...	
	L	5 0	...	...	...	...	
	F	5 20	...	...	...	...	
15	...	4 14 to	...	...	...	...	Traces of waves.
		4 33	...	...	...	...	
15	e	7 52	...	...	...	...	
	e	8 2	...	...	...	...	
	e	8 28	...	...	...	...	
	L	8 54	...	...	...	...	
	F	10	...	...	...	...	
20	e	0 30	...	...	...	...	
	F	0 45	...	...	...	...	
20	L	3 55 30	...	...	...	...	
	F	4 30	...	...	...	...	
23	L	16 43	...	...	...	...	
	F	17	...	...	...	...	
Nov. 1	...	7 30 to	...	...	...	...	Traces of waves.
		7 45	...	...	...	...	
1	L	8 49	...	...	...	...	
	F	(9 10)	...	...	...	...	
1	? e	20 21	...	...	...	...	
	L	20 35	...	...	...	...	
	F	21	...	...	...	...	
2	e ? P	21 29	...	...	...	...	Record confused. Felt in Shortland Is. (155° E, 8° S.) at 21h. 15m. G.M.T. (approx.).
	L	22 5	...	...	...	...	
	F	0 30	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
		h. m. s.	s.	μ	μ	km.	
Nov. 3	e P	16 32 0	...	...	...	9740	Confused by wind effects and microseisms.
	P R_1	16 36	...	...	...	...	
	P R_2	16 39 12	...	...	...	...	
	S	16 42 48	...	...	...	...	
	S R_1	16 49	...	...	...	...	
	L	17	...	...	...	...	
	M_E	17 7 11	26	45	...	...	
	M_N	17 10 1	24	46	...	...	
	M_E	17 11 52	24	60	...	...	
	M_N	17 16 0	20	−41	...	...	
	M_E	17 17 6	20	−60	...	...	
	F	18	...	...	...	...	
4	i_N	0 25 35	...	...	...	...	
	i_E	0 35 34	...	...	...	...	
	e_E	0 37 12	...	...	...	...	
	e_N	0 43	...	...	...	...	
	e_E	0 48	...	...	...	...	
	L	1 0	...	...	...	...	
	F	2 40	...	...	...	...	
5	P	21 40 51	...	...	...	(9380)	
	P R_1	21 44 26	...	...	...	...	
	e	21 48	...	...	...	...	
	S	21 51 20	...	...	...	...	
	i	21 51 30	...	...	...	...	
	S R_1	21 57 26	...	...	...	...	
	L	22 8	...	...	...	...	
	M_E	22 20 23	24	−91	...	...	
	M_N	22 21 40	23	−63	...	...	
	M_E	22 26 11	18	−76	...	...	
	M_N	22 27 16	17	−55	...	...	
6	F	0 10	...	...	...	...	
6	e	17 34 40	...	...	...	...	
	e	17 41	...	...	...	...	
	e	17 44 10	...	...	...	...	
	e	17 50	...	...	...	...	
	L	...	...	...	...	...	
	F	18 50	...	...	...	...	
6	e	19 41 45	...	...	...	...	
	L	20 0	...	...	...	...	
	F	20 50	...	...	...	...	
8	L	0 31	...	...	...	...	
	F	1 5	...	...	...	...	
9	e (? S)	3 42 31	...	...	...	...	
	e	3 48 2	...	...	...	...	
	e	3 51 29	...	...	...	...	
	L	3 59·5	...	...	...	...	
	F	4 30	...	...	...	...	
10	...	22 to	...	...	...	...	Trace of waves.
11	...	0	...	...	...	...	
11	...	5 58 to	...	...	...	...	Trace of disturbance.
		6 20	...	...	...	...	
17	e (? P)	3 4 53	...	...	...	?8200	
	e (? S)	3 14 18	...	...	...	...	
	e	3 19 28	...	...	...	...	
	L	3 28	...	...	...	...	
	F	4 25	...	...	...	...	
18	L	22 11	...	...	...	...	Earlier phases confused by wind effects and microseisms
	M_E	22 26 / 27	17	21	...	...	
	F	23	...	...	...	...	
19	e	4 0	...	...	...	...	
	M_E	4 2 12	10	8	...	...	
	F	4 5	...	...	...	...	
21	L	11 20	...	...	...	...	
	F	11 40	...	...	...	...	
21	L	14 5	...	...	...	...	
	F	14 23	...	...	...	...	

SEISMOLOGICAL DIARY: *Instruments.*—Two horizontal and one vertical Galitzin Seismographs with galvanometric registration—*continued.*

Lat. 55° 19′ N. Long. 3° 12′ W. Height above M.S.L. 242 metres.

283. Eskdalemuir. **1923.**

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remarks.
Nov.		h. m. s.	s.	μ	μ	km.	
22	e	7 44 25	...	...	...	...	
	e	7 51	...	...	...	...	
	e	7 54·5	...	...	...	...	
	L	8 4	...	...	...	...	
	M_N	8 18	16	4	...	...	
	F	8 40	...	...	...	...	
23	e	2 56 28	...	...	...	...	
	L	3 14	...	...	...	...	
	F	4 0	...	...	...	...	
23	e	17 43	...	...	...	...	
	L	18 5	...	...	...	...	
	L	18 16	...	...	...	...	
	F	18 40	...	...	...	...	
24	e	8 3 0	...	...	...	...	
	F	8 10	...	...	...	...	
24	L	18 56	...	...	...	...	
	F	19 6	...	...	...	...	
24	e	19 40 18	...	...	...	...	? Seismic.
	e	19 42 33	...	...	...	...	
25	e	17 27 3	...	...	...	...	
	L	17 43	...	...	...	...	
	F	18 35	...	...	...	...	
26	...	7 35 to	...	...	...	...	Traces of disturbance.
		8 0	...	...	...	...	
26	e	12 43 4	...	...	...	...	
	e	12 45 34	...	...	...	...	
	e	12 51 9	...	...	...	...	
	L	13 7	...	...	...	...	
	F	14	...	...	...	...	
26	...	14 13 to	...	...	...	...	Traces of disturbance.
		15	...	...	...	...	
27	e	3 44 40	..	...	...	...	
	L	4 3	...	..	...	...	
	F	4 35	..	..	...	...	
28	...	0 20 to	...	...	...	...	Traces
		0 23	...	...	...	...	
28	e	0 38 47	...	...	...	?2100	
	e	0 42 19	...	...	...	...	
	F	0 43	...	...	...	...	
	L	1 5	...	...	...	...	
28	e_E	15 58 19	...	...	...	?2100	
	e_N	16 1 52	...	...	...	...	
	L	16 2 42	...	...	...	...	
	F	16 13	...	...	...	...	
29	L	4 5	...	...	...	...	
	F	4 30	...	...	...	...	

Date.	Phase.	Time. G.M.T.	Period	Amplitudes. A_N.	Amplitudes. A_E.	Δ.	Remar
Nov.		h. m. s.	s.	μ	μ	km.	
30	e_E	0 40 2	...	...	...	?2120	
	e_N	0 43 36	...	...	...	...	
	L	0 44(30)	...	...	...	...	
	F	0 55	...	...	...	...	
30	e_E	5 13 17	...	...	...	...	
	L	5 17(40)	...	...	...	...	
	F	5 27	...	...	...	...	
Dec.							
1	e	7 21	...	...	...	...	
	e	7 26 31	...	...	...	...	
	L	7 44	...	...	...	...	
	F	8 15	...	...	...	...	
2	...	15 40 to	...	...	...	...	Slight disturbance confused by microseisms.
		16 30	...	...	...	...	
5	i P	21 1 56	...	...	...	2520	(Slight uncertainty about absolute accuracy of times.)
	S	21 6 3	...	...	...	...	
	L	21 7 58	...	...	...	...	
	M_N	21 10 54	19	− 57	...	...	
	M_N	21 11 18	11	− 39	...	...	
	F	22	...	...	...	...	
5	L	23 32	...	...	...	...	
6	F	0 30	...	...	...	...	
6	?e	22 49	...	...	...	...	
	L	22 53	...	...	...	...	
	F	23 10	...	...	...	...	
11	e	0 11 40	...	...	...	...	
	e	0 18 7	...	...	...	...	
	L	(0 24)	...	...	...	...	
	F	0 50	...	...	...	...	
11	...	6 to	...	...	...	...	Traces of disturbance ; confused by microseisms.
		7	...	...	...	...	
14	L	11 11	...	...	...	...	Earlier phases masked by microseisms and wind effects.
	M_E	11 15 } 16 }	20	...	7	...	
	F	11 30	...	...	...	...	
20	L	15 38	...	...	...	...	
	F	16	...	...	...	...	
27	P	14 51 32	...	...	...	9150	
	e S	15 1 50	...	...	...	...	
	SR_1	15 7 41	...	...	...	...	
	L	15 19	...	...	...	...	
	F	16 15	...	...	...	..	
28	i (? S)	22 40 37	...	...	...	...	
	SR	22 44 0	...	...	...	...	
	L	22 48	...	...	...	...	
	F	23 45	...	...	...	...	

MICROSEISMS OF NORTH COMPONENT: AMPLITUDE (μ = ·001 mm.) AND PERIOD (seconds).

Derived from readings, for the period of thirty minutes centering at the exact hour, Greenwich Mean Time.

1923.

284. Eskdalemuir.

Day.	January.								February.								March.							
	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	1·6	5·5	1·2	5·5	0·9	5·5	...	...	...	...	...	...	...	...	...	...	2·8	5·5	1·6	6	1·6	6	1·7	5·5
2	...	...	...	...	...	...	...	...	...	...	...	...	2·2	7	2·4	6	1·6	6	1·9	5	1·7	5·5	...	...
3	...	...	...	...	4·0	7·5	3·0	6·5	2·4	6	1·9	6	2·1	5	...	...	1·9	5	1·8	5	1·6	5·5	2·3	5
4	2·3	6·5	...	...	1·6	5	1·2	6	...	...	...	...	...	...	...	...	1·6	5·5	0·9	5·5	1·1	4·5	1·4	7
5	1·6	5·5	...	...	...	...	...	...	...	...	...	...	2·0	6	2·7	6	0·9	6·5	2·0	5	1·7	5·5	1·0	5·5
6	2·8	8	3·5	8·5	3·6	7	2·7	7·5	2·7	6	5·5	6	4·9	6·5	4·7	6·5	1·4	5	1·7	6	1·6	6	3·1	7
7	2·2	7	1·7	6	1·5	6·5	0·9	6	4·9	8	6·0	8	6·6	8	6·2	8	2·9	7·5	...	...	2·2	6·5	1·6	6
8	1·5	5	1·6	6	...	...	2·5	5·5	...	...	...	...	5·8	7	7·3	7·5	1·3	7	...	...	...	...	...	...
9	1·8	5·5	3·3	6	5·2	7·5	7·1	9	6·6	7	6·3	7	...	...	...	...	...	...	...	...	...	...	...	...
10	6·6	9	4·9	7	4·8	6	2·8	7	...	...	...	...	...	...	3·9	7	...	...	...	...	...	...	...	...
11	3·2	6	2·2	6	2·3	6	2·4	5·5	...	...	...	...	3·9	6	3·5	6·5	1·2	6	...	...	1·6	8	...	...
12	1·3	5·5	1·5	5	1·5	5	1·1	5·5	...	...	2·9	6	1·9	6	3·4	6	1·2	6	1·9	6	3·0	5	3·2	5·5
13	0·9	5	0·9	5	1·0	5	1·1	4	...	...	...	...	2·3	6	2·3	6	2·3	6	2·5	6	2·1	6	2·0	6·5
14	1·0	4·5	1·6	5·5	2·3	6·5	...	...	2·7	6	2·1	7·5	2·3	8	2·0	7	1·5	5·5	1·5	5·5	...	...	...	...
15	...	...	...	...	5·4	7	4·1	7	1·6	6·5	1·5	7	0·9	6·5	1·2	6·5	1·1	6	...	...	0·8	6	0·9	6
16	2·1	7	1·5	7	1·6	6·5	1·0	6	1·2	5·5	0·9	6	1·6	6	0·8	6	0·9	6	0·9	6·5	0·6	6	0·5	6
17	1·2	6·5	...	...	2·4	6·5	1·4	7·5	1·6	6	1·7	5·5	1·8	5	1·7	5·5	...	...	...	...	0·4	7	...	...
18	1·4	7	1·4	7	1·5	7	1·5	6·5	1·6	6	1·6	6	2·3	6	2·1	6	0·9	6·5	0·7	6·5	...	...	...	...
19	...	...	...	...	...	...	2·7	8	2·7	6·5	3·4	6·5	3·6	6·5	3·3	6	0·8	6	0·6	6	...	...	0·5	6
20	7·1	6·5	6·8	6·5	6·7	6	5·5	6·5	2·9	7	1·6	6·5	1·9	6	1·8	6·5	0·5	6	0·3	6	0·4	5·5	0·4	5·5
21	5·3	6·5	3·3	7	2·7	7	1·9	6	1·6	6·5	2·7	5	2·2	7	3·4	8	0·6	5·5	0·5	6	...	...	...	...
22	2·3	6	2·5	5·5	...	...	2·2	5·5	3·2	8	3·5	7·5	3·2	8	2·9	7	0·7	7·5	0·8	5·5	0·8	6	0·7	6
23	2·3	6	1·6	6	1·8	5·5	2·3	6	2·6	8	2·3	6	2·5	7	1·6	6	1·3	8	2·0	8	2·6	8	2·2	7·5
24	3·1	6	3·1	6	3·2	6	2·8	6·5	1·6	6·5	1·7	5·5	1·6	6	1·6	6	1·7	7	...	...	0·8	7	0·8	6·5
25	2·6	6	2·2	6·5	2·3	6	2·3	6	2·0	6·5	2·1	7	1·8	8·5	2·2	7	0·8	5·5	0·7	7	0·7	5	0·9	4
26	...	...	...	...	2·5	5·5	2·3	6	2·2	6·5	2·2	7	2·6	5·5	3·8	6	0·6	5·5	...	...	0·9	4	0·7	5
27	...	...	...	...	3·5	6·5	...	...	7·5	6	5·6	6	4·7	6·5	4·6	6·5	0·9	5	0·8	6	0·9	5	...	...
28	3·4	6·5	2·3	6	2·4	5·5	2·3	6	4·3	6	4·6	5·5	3·4	6	2·6	6	...	...	...	...	...	...	...	...
29	2·3	6	...	...	...	...	...	...									2·1	7·5	...	...	2·5	6	2·7	7
30	...	...	...	...	...	...	...	...									...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...									...	...	...	...	...	...	...	...
Mean ...	A = 2·6μ; T = 6·2 s.								A = 2·9μ; T = 6·5 s.								A = 1·4μ; T = 6·1 s.							
Normal, 1911–22	A = 2·5μ; T = 6·0 s.								A = 2·3μ; T = 6·0 s.								A = 1·8μ; T = 5·7 s.							

Day.	April.								May.								June.							
	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	1·0	8	...	...	...	...	...	...	0·6	5	...	...	0·7	4·5	0·7	5	...	...	...	...	0·2	4	...	...
2	...	...	1·9	7	...	...	...	...	0·6	4·5	...	...	...	...	...	...	0·1	3·5	...	...	0·0	—	...	...
3	...	...	...	...	1·2	7	...	...	...	...	...	...	...	...	0·3	5	0·0	—	...	...	0·0	—	...	...
4	0·9	6	...	...	2·3	8	1·4	8	0·8	4·5	...	...	0·9	4·5	...	...	0·1	3	...	...	...	...	...	...
5	1·5	7·5	1·6	6	1·6	6	1·4	6·5	...	...	0·8	4·5	...	...	...	...	...	...	...	...	...	...	...	...
6	1·2	6	1·1	5·5	1·4	5·5	1·1	5	1·4	6	0·8	5·5	0·8	5	0·6	6	...	...	...	...	...	...	...	...
7	1·3	5·5	1·8	5	1·6	6	1·7	6	...	...	0·7	6	0·8	5·5	...	...	...	...	...	...	...	...	...	...
8	1·1	5	1·6	5·5	1·3	4·5	1·1	5	0·2	5·5	0·4	5·5	0·7	4·5	0·6	4·5	...	...	...	...	...	...	...	...
9	0·9	5	0·9	4·5	1·1	4·5	1·8	5	0·6	4·5	0·3	4	0·8	4·5	0·6	4·5	...	...	...	...	...	...	...	...
10	1·7	5·5	2·4	6	2·4	5	1·4	5·5	0·3	5	...	...	0·7	5	1·0	5	...	...	...	...	...	...	...	...
11	1·0	4·5	0·6	5·5	0·8	3·5	0·2	4	1·6	5	2·2	4·5	1·8	4	1·2	5	...	...	...	...	1·6	6	1·2	5
12	0·2	5	...	...	0·1	4	0·1	4	1·5	4	1·0	5	1·0	4	0·8	4·5	0·9	6	0·7	5·5	0·8	6	1·0	4·5
13	0·1	4	...	...	0·4	3·5	...	...	...	...	...	...	...	...	...	...	0·6	6	...	...	...	...	1·0	4·5
14	1·6	5·5	1·6	6	1·7	5·5	2·0	6	...	...	...	...	0·9	4·5	...	...	0·9	5	1·1	4·5	0·9	5	0·8	5·5
15	0·9	6·5	1·0	5·5	1·5	5	1·8	5	0·7	5·5	...	...	0·5	5	0·7	5	0·5	5	0·7	5	0·1	4·5	0·2	4
16	1·2	6	0·8	5·5	0·9	5	0·8	5·5	0·6	6	0·6	4	0·6	4	0·6	4	0·3	4	0·6	4	0·5	4·5	0·5	4·5
17	0·9	4·5	1·1	4	...	...	...	...	0·7	5·5	0·7	6	0·6	6	0·5	5	0·4	4·5	0·5	4	0·5	4	0·3	4·5
18	...	...	...	...	...	...	...	...	0·6	5	0·5	5·5	0·3	5·5	0·1	4·5	0·5	3·5	0·3	3	0·2	4	0·2	4·5
19	...	...	...	...	...	...	...	...	0·2	4	0·3	4	0·2	4·5	0·2	4·5	0·4	4·5	0·8	4·5	0·9	6	0·8	5·5
20	...	...	...	...	...	...	...	...	0·6	4·5	0·3	4·5	0·2	5	...	...	...	...	0·8	5·5	0·8	5·5	0·8	5
21	...	...	...	...	...	...	...	...	...	...	0·5	5	0·7	4	1·1	4	0·5	5	0·5	5	0·3	4	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	0·9	4	0·2	4·5	0·5	5·5	0·8	4·5	...	...	0·8	5
23	...	...	...	...	...	...	...	...	0·2	4·5	0·3	4	0·3	4·5	0·2	5	1·0	4·5	0·3	4·5	0·7	5	0·8	5
24	...	...	...	...	1·6	6	1·7	5·5	...	...	0·2	4	0·5	5	0·8	5	0·7	4·5	...	...	...	...	...	...
25	2·5	5·5	3·2	5	3·8	4·5	...	...	1·0	4·5	1·2	6	1·7	5·5	1·5	6	0·4	5	...	...	0·5	5	...	...
26	...	...	...	...	...	...	...	...	1·7	5·5	0·8	5·5	0·7	5·5	0·6	6	0·7	6	...	...	1·6	6	...	...
27	...	...	...	...	...	...	...	...	0·5	6	0·3	4·5	0·1	5	...	...	...	...	...	...	...	...	0·8	5·5
28	...	...	...	...	...	...	...	...	0·0	—	...	...	0·1	4·5	0·3	3·5	0·7	6	0·7	4·5	0·5	5	...	...
29	...	...	...	...	...	...	...	...	0·1	5	...	...	0·1	5	0·2	5·5	0·4	4·5	...	...	...	...	...	...
30	...	...	...	...	0·3	4·5	0·7	5	0·2	5	...	...	0·2	5	0·2	5	...	...	...	...	...	...	...	...
31									0·1	6	...	...	...	...	...	...								
Mean ...	A = 1·3μ; T = 5·4 s.								A = 0·7μ; T = 4·9 s.								A = 0·6μ; T = 4·8 s.							
Normal, 1911–22	A = 1·2μ; T = 5·3 s.								A = 0·7μ; T = 4·7 s.								A = 0·5μ; T = 4·6 s.							

NOTE:—The symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquake or lack of record.

Derived from readings, for the period of thirty minutes centering at the exact hour, Greenwich Mean Time.

284. Eskdalemuir. **1923.**

Day.	July.								August.								September.							
	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	...	...	...	...	...	...	...	...	0·2	4·5	...	...	0·2	4·5	0·2	4·5	...	...	...	...	0·2	4	0·3	4·5
2	...	...	...	...	...	...	...	...	0·3	4	0·6	5	1·4	5	1·0	4·5	0·2	4	...	...	...	...	...	...
3	0·1	4	...	...	0·2	4·5	...	...	1·0	4·5	1·0	4·5	0·9	4	0·9	4	...	...	...	...	0·6	5	0·5	6
4	0·3	4·5	...	...	0·2	4	...	...	1·0	4	0·3	4	0·6	4·5	0·3	4·5	0·5	6	0·5	5·5	0·8	6	0·8	6
5	0·2	4	0·1	4·5	0·2	4·5	...	...	0·2	5·5	0·2	5·5	0·7	5	0·9	6	0·9	5·5	1·2	6	0·8	6·5	0·9	6
6	0·1	4·5	...	...	0·1	4	...	...	0·7	6·5	0·7	6	0·9	6	0·8	5·5	1·1	7·5	0·9	7	0·9	6·5	0·8	6
7	0·0	—	...	...	...	...	...	...	0·6	6	0·3	4	0·3	5	0·5	4·5	...	...	...	...	0·9	6	0·8	6·5
8	0·0	—	...	...	0·0	—	...	...	0·3	5	0·2	5	0·2	5·5	...	...	0·9	6·5	0·7	6·5	0·8	6	0·6	7
9	0·0	—	...	...	0·0	—	...	...	0·1	6	0·4	4·5	0·2	5	0·4	4·5	0·8	6	0·8	6	1·2	6	0·9	6
10	0·1	4	...	...	0·1	4	...	...	0·2	4·5	0·5	5	0·2	5	0·5	5	...	...	0·7	6·5	0·7	6	0·2	5·5
11	0·1	4·5	...	...	0·0	—	...	...	0·3	4·5	0·2	4	0·3	3	0·1	4	0·2	6·5	0·4	5·5	0·7	5	0·8	5
12	0·0	—	...	...	0·0	—	...	...	0·1	4·5	0·1	4	0·2	4	...	...	0·8	6	1·3	6·5	...	...	1·7	7·5
13	0·2	5·5	...	...	...	...	...	...	0·2	4·5	...	...	0·2	4	0·1	4	1·4	7	1·5	6	...	...	...	...
14	0·4	5	...	...	0·3	4·5	...	...	0·1	5	0·2	5	0·1	5	...	...	...	...	...	...	2·5	6	...	...
15	0·2	4·5	...	...	0·0	—	...	...	0·2	4	0·2	4·5	0·2	4·5	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	0·3	4·5	...	...	0·3	4	0·2	4·5	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	0·5	4·5	...	...	0·2	4	0·5	6	0·6	4·5	0·9	4·5	...	...	1·3	4·5
18	...	...	...	...	...	...	...	...	0·8	5	...	...	0·9	5·5	...	...	1·0	5	1·0	4·5	0·9	5·5	0·8	6
19	0·2	4·5	...	...	0·2	4	0·2	4·5	0·7	5	...	...	0·3	5	0·3	5	0·8	5·5	0·8	5·5	1·0	4·5	0·9	5
20	0·3	4·5	...	...	0·7	5·5	0·8	5·5	0·3	5	0·2	4	0·2	4·5	...	...	1·3	5·5	...	...	1·3	8·5	0·8	6
21	1·0	5·5	...	...	0·8	6	...	...	0·3	3·5	0·4	3·5	0·7	4	1·0	4	0·8	6	...	...	0·5	5	0·7	4·5
22	0·7	5·5	...	...	0·4	4·5	...	...	1·4	4·5	...	...	1·8	5	1·8	5	0·8	4·5	...	...	0·7	4·5	...	...
23	0·2	4	...	...	0·3	5	0·2	4·5	1·7	5·5	1·6	5	1·5	6	2·0	5	1·6	6	...	...	0·8	6	...	...
24	0·3	4	...	...	0·2	4·5	0·2	4	2·5	5·5	...	...	1·2	5·5	...	...	0·7	6	...	...	...	...	0·9	6
25	0·2	4·5	0·1	4	0·1	5	0·1	4·5	0·8	5	...	...	0·2	5	1·0	4·5	0·9	6	1·0	5	1·4	6·5	0·9	5·5
26	0·4	4·5	0·8	4·5	...	...	...	...	1·6	5	1·6	5·5	1·4	5	...	...	...	...	...	...	...	...	...	...
27	0·6	5	0·8	4·5	...	...	0·3	4·5	1·2	6	1·7	5	...	...	0·8	6	...	...	...	...	...	...	0·7	6
28	0·2	4	0·2	4	0·2	4	0·3	4	0·8	6	0·8	5	0·7	6	...	...	...	...	...	...	...	...	...	...
29	0·3	3·5	0·2	4	0·2	4	0·1	4	...	...	...	...	1·0	6	0·9	6	0·3	5·5	...	...	...	...	...	...
30	0·2	4·5	0·1	4	0·2	4·5	0·3	4·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	0·6	4·5	...	...	0·4	4·5	0·3	5	...	...	...	...	...	...	...	...								
Mean ...	A = 0·3μ; T = 4·4 s.								A = 0·7μ; T = 4·8 s.								A = 0·9μ; T = 5·8 s.							
Normal 1911–22	A = 0·3μ; T = 4·3 s.								A = 0·5μ; T = 4·4 s.								A = 0·9μ; T = 5·0 s.							

Day.	October.								November.								December.							
	0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.		0 h.		6 h.		12 h.		18 h.	
	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.	A.	T.
	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.	μ	s.
1	...	...	...	...	...	...	1·7	5·5	1·6	6	1·6	5·5	1·2	5·5	0·8	5·5	1·1	4·5	1·0	5	1·4	5·5	1·6	6
2	...	...	...	...	0·8	5·5	0·8	5	0·9	5	0·8	4·5	0·9	4·5	0·9	4·5	1·6	6	1·6	6	2·7	5	2·7	5
3	0·7	5	0·8	4·5	0·9	5	0·9	5	...	...	1·4	5	1·7	5·5	...	...	2·8	6	2·5	6	2·7	6	1·7	5·5
4	0·9	5	0·7	5	0·9	4·5	...	...	2·7	6	3·1	6	2·8	7	2·6	6	1·6	6	2·0	6·5	1·8	6	2·7	8
5	0·7	5·5	0·8	5·5	0·9	5	0·9	5	3·1	6	2·7	6	2·4	6	1·6	6	3·6	7	1·9	8	1·7	7	1·6	6
6	...	...	...	...	1·5	6	1·4	6	...	...	1·6	6	1·2	5·5	0·9	5·5	...	...	0·8	6	0·9	5	0·9	5
7	1·3	5	...	...	0·9	5·5	0·8	6	1·2	6	1·4	4	1·0	5	1·0	5	1·4	5	1·8	5	2·6	5·5	3·0	5·5
8	1·0	5	...	...	...	...	...	...	1·0	5	1·1	4·5	1·1	5	1·8	5	2·5	6	3·9	6	4·3	6	5·0	5·5
9	...	...	...	...	5·6	6·5	4·4	6	1·9	4·5	1·7	5	1·5	4·5	1·1	4·5	4·9	5·5	2·5	5·5	2·0	5	1·0	5
10	3·1	6	3·3	5·5	0·9	6	1·6	6	1·1	4·5	1·1	4	1·0	4·5	1·0	4·5	1·2	5	1·1	5	1·0	5·5	1·1	6
11	1·7	5·5	1·3	5	1·1	5	1·0	5·5	1·0	4·5	...	...	0·9	4·5	0·9	4·5	1·9	6	1·6	6·5	2·3	6	2·1	5·5
12	0·8	5·5	1·0	4·5	1·0	5·5	1·2	4·5	0·9	4·5	0·9	5·5	...	...	1·9	6	1·9	6	2·3	6	2·2	6·5	2·8	6
13	1·0	5·5	1·0	4·5	0·3	4	0·2	4	2·5	6·5	4·8	6	...	...	2·9	5·5	2·8	6·5	2·5	6	2·5	7	2·2	7
14	0·7	4	0·3	4	0·8	5	0·7	5	2·5	5	3·4	5·5	4·6	5	4·6	5·5	2·2	6·5	...	...	2·3	6	...	...
15	1·0	5	0·9	5	0·2	4	0·2	4	4·5	5·5	4·3	6	2·5	5·5	3·7	5·5	3·9	6	4·6	6	4·6	6·5	4·1	6
16	0·2	4·5	0·6	4	0·7	4·5	0·8	4	4·1	6	4·1	5·5	3·3	5·5	1·9	6	3·9	6	2·8	6	3·5	5·5	3·6	6·5
17	0·9	4	0·5	4·5	0·8	5	0·5	5	1·8	5	1·9	4·5	2·1	4·5	3·1	4·5	2·8	7	3·1	6	2·2	6·5	2·7	6
18	0·9	4·5	1·1	4	1·0	4·5	0·8	5	2·6	5	2·1	5	3·2	6	2·7	5	3·0	6	3·3	6	4·1	6	4·9	7
19	0·8	5	1·6	4	2·0	4·5	1·7	5·5	2·7	5·5	1·7	5	1·8	5	1·7	5	4·3	6	3·0	6	2·7	6	2·4	6
20	1·9	5·5	1·7	5·5	1·9	6	1·9	5·5	1·7	6	1·6	6	1·6	5·5	1·1	5·5	...	...	1·6	6	1·2	6	1·6	6
21	2·1	5	1·7	5·5	2·7	5	1·9	4·5	0·9	5·5	0·9	5	0·9	4·5	1·0	4·5	1·3	5·5	1·4	5·5	1·1	6	0·9	6
22	1·1	5	...	...	1·0	5	1·1	4·5	0·9	5	0·8	5	0·7	4·5	0·4	5	0·8	5·5	0·8	5	1·0	5	2·5	5
23	1·1	4	1·0	4·5	1·0	5	1·0	4·5	0·6	5	0·4	4·5	0·5	4	...	...	3·9	4·5	4·0	4·5	2·3	5	2·2	5·5
24	1·1	5	1·1	5	...	...	...	...	0·7	4	0·7	4	0·6	4	0·5	4	2·3	4	1·7	5·5	1·5	5	0·8	5·5
25	...	...	...	...	2·6	5·5	3·1	4·5	0·7	4	0·6	4	0·5	3·5	...	...	0·9	4·5	0·7	5·5	1·0	4·5	1·1	4·5
26	2·7	5	2·3	6	2·8	5	2·8	5	0·9	4·5	1·0	5	1·6	6	1·2	6	1·1	4·5	1·1	5	1·4	4	1·2	4·5
27	2·7	5	2·5	5·5	2·4	5·5	2·5	5	1·0	5·5	0·9	5	1·0	4·5	0·9	5	0·9	5	0·7	6	1·0	4·5	1·0	4·5
28	2·7	6	2·5	5·5	2·5	5·5	2·4	5·5	1·0	4·5	1·0	4·5	1·1	4	1·2	4	2·0	4·5	2·3	6	2·3	6	1·8	5·5
29	1·5	5	1·0	5·5	1·3	5	1·8	5	1·0	4·5	1·0	4·5	1·0	4·5	1·0	4·5	2·3	6	1·7	5·5	1·6	6	1·2	6
30	1·7	5·5	1·7	6	1·7	5·5	1·7	5·5	0·6	4·5	...	...	0·9	5	1·1	4·5	1·4	7	1·6	5	1·8	5	2·1	6
31	1·9	5	2·5	5·5	1·5	6·5	1·2	6									1·8	5·5	1·8	5	1·6	5·5	1·6	6
Mean ...	A = 1·5μ; T = 5·1 s.								A = 1·6μ; T = 5·1 s.								A = 2·1μ; T = 5·7 s.							
Normal 1911–19, 1921–22*	A = 1·2μ; T = 5·2 s.								A = 1·8μ; T = 5·7 s.								A = 2·3μ; T = 5·9 s.							

* 11 years only. No records Oct.–Dec., 1920, when recording mechanism was under repair.

NOTE:—The symbol ... indicates that microseisms were not measured, either by reason of occurrence of earthquake or lack of record.

M.O. 279
Cahirciveen

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1923

Comprising the results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

CAHIRCIVEEN (Valencia Observatory)

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1926

CAHIRCIVEEN (VALENCIA OBSERVATORY).

Latitude	51° 56′ N.
Longitude	10° 15′ W.
G.M.T. of Local Mean Noon	12h 41m.

Heights in metres above Sea Level.

Barometer	13·7
Rain-gauge	9·1
Robinson Cup Anemograph	26
Dines Tube Anemograph	30

Heights in metres above Ground.

Thermometer Bulbs	1·3
Sunshine Recorder	12·8
Robinson Cup Anemograph	14
Dines Tube Anemograph	13

INTRODUCTION.

SITE.

Valencia Observatory derives its name from the fact that it was originally established on Valencia Island in 1867. It was removed to the mainland in March, 1892, and now lies in a direct line between the old site on Valencia Island and the town of Cahirciveen, about 2½ miles (4 km.) north-east from the former, and three-quarters of a mile (1 km.) south-west of the latter. It is quite remote from any other buildings. The general character of the country surrounding the Observatory is hilly. The eastern bank of the Cahir river is about 150 metres to the westward, and in that direction there is no very high ground between the Observatory and the open sea, some 3½ miles (6 km.) away. To the north-west, however, are hills varying in height from 400 (120 m.) to 900 feet (275 m.), the highest being less than 3 miles (5 km.) distant. These are only separated by a narrow gully running in a N N W direction from other hills equally high, which stretch away to the northward : the nearest of these is but little more than a mile (1½ km.) from the Observatory. Beyond the town of Cahirciveen to the north-east the river opens out considerably, and the country in this direction becomes an open boggy basin, rising by only a gentle gradient. Southward of this, however, it soon rises again, and at about a mile south-east of the Observatory it culminates in a hill upwards of 1,245 feet (380 m.) in height. Still further south it opens out once more to a distance of nearly 5 miles (8 km.) from the Observatory, where there is a range of hills running east and west, and varying in height from 400 (120 m.) to 1,300 feet (400 m.). To the south-west there is an opening to the sea, between Valencia Island and the mainland ; and the circle of hills is completed by those on the island itself, the highest of which is about 800 feet (240 m.) high, and bears about west-south-west from the Observatory. For general views of the Observatory building, see Figs. 16 and 17. A site plan showing the disposition of the various instruments is reproduced in Fig. 15.

METEOROLOGY.

The elements dealt with in the following tables are : atmospheric pressure, air temperature, humidity, rainfall, sunshine, wind speed and direction, minimum temperature on the grass, together with a diary of cloud and weather.

Pressure and Temperature.—The photographic barograph and thermograph are installed in a room on the ground floor of the Observatory tower. The standard Fortin barometer (M.O. 463), from which the control readings at 9h, 15h and 21h are taken, is mounted in the same room beside a window which faces the north-east. The stems of the dry and wet bulb thermometers pass out into the screen placed against the north wall of the tower. Close to the bulbs of these thermometers are the bulbs of the standard thermometers (dry, M.O. 1701; wet, M.O. 1702) from which the control readings at 9h, 15h and 21h are taken.

Rainfall.—The Beckley raingauge and the 8-inch (20·3 cm.) check gauge (M.O. 402) are placed in a railed-off enclosure about 40 metres to the north of the tower.

Sunshine.—The recorder (M.O. 5) is cemented to a wooden rail on the roof of the tower. The exposure is satisfactory.

Wind Speed and Direction.—The Robinson Cup Anemograph (Beck, 46) is placed on the roof of the Observatory tower (see Fig. 16). It will be seen from Fig. 15 that the exposure is satisfactory except for winds between south and south-west. Winds from these directions are liable to be deviated and reduced in speed because of the sheltering action of the roof and chimney. The Dines Tube Anemograph stands in an open field, about 250 metres S E by E of the Observatory tower. The field slopes northwards to the river Cahir. About 1 mile (1½ km.) to the south-east and in an approximately direct line with the highest point (1,245 feet) is the hill Bentee which extends for some little distance in a northerly and south-westerly direction. A description of the surrounding country has already been given on p. 221.

The Robinson Anemograph was damaged by the gale of February 26th–27th; for the period it was out of action data were obtained from the records of the Dines Tube Anemograph. Such values are printed in italic type.

Minimum Temperature on the Grass.—The grass minimum thermometer (N. and Z. 2497) is of the type described on p. 14. It is exposed over short grass in the field enclosure. It is set at 18h and read at 9h on the succeeding day, the reading being entered to the day of reading.

Notes on the Meteorological Summaries.

Pressure.—The mean pressure for the year was 0·5 millibars below normal, and the mean monthly pressures differed from the corresponding normal values by amounts varying from excesses of 11 millibars in January and 10 millibars in June, to a deficiency of 17 millibars in February. In six months out of the twelve, the mean pressures were within 2 millibars of the corresponding average values. The highest pressure recorded was 1,041 millibars on the 20th December, while the lowest, on the 26th February, was 950 millibars; a low pressure of 954 millibars was also registered on the 7th February. Both of these low pressures were accompanied by destructive gales.

The hourly differences between the mean diurnal inequality for the year and the normal annual diurnal inequality follow approximately the curve given by the formula $0{\cdot}1 \sin (15t + 135^\circ)$, the amplitude being expressed in millibars.

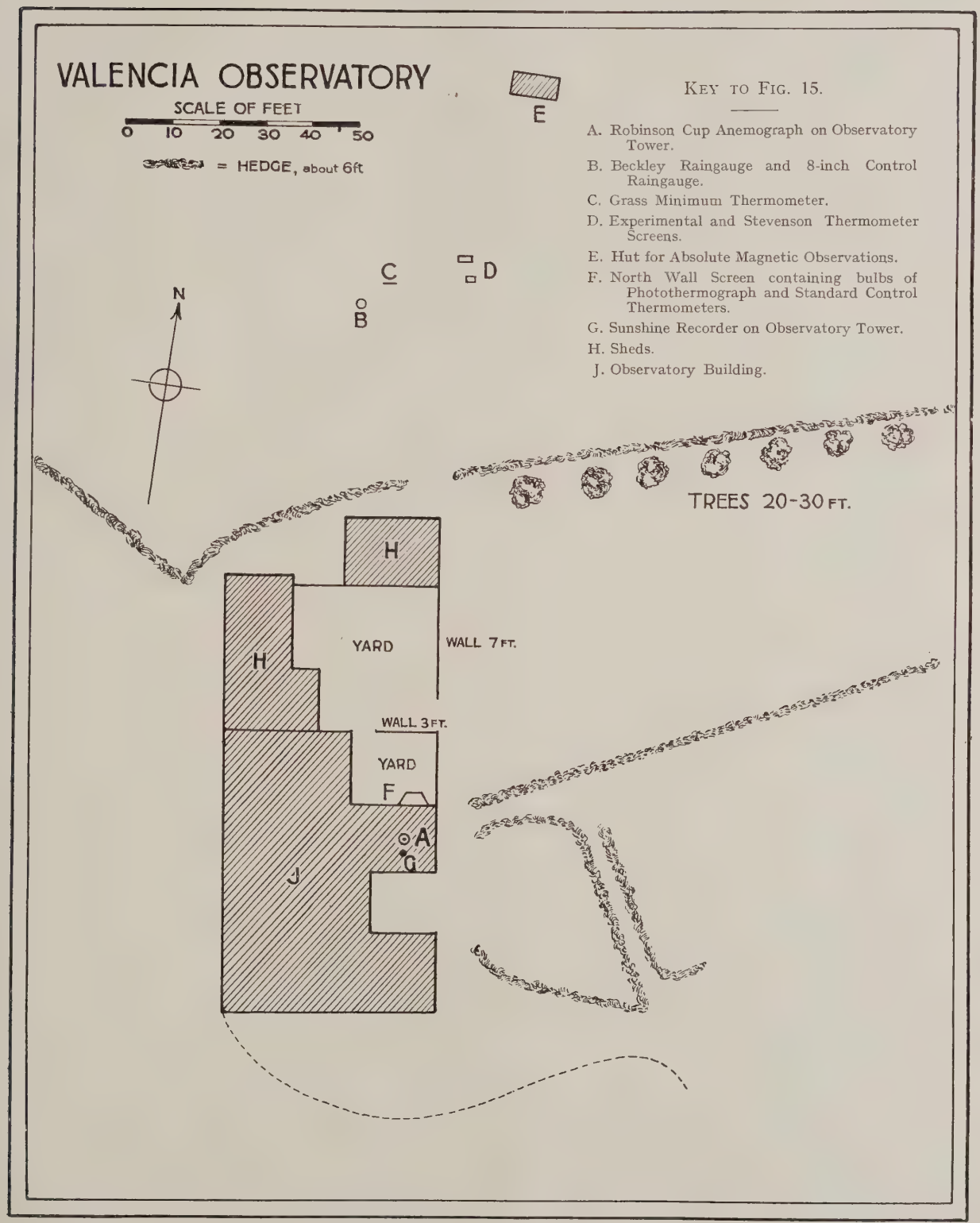
In Table A are given the details of the harmonic analysis of the mean diurnal inequalities for each month and the year.

The inequality is represented by either of the equivalent formulae :—

$$(a)\ a_1 \cos 15t + b_1 \sin 15t + a_2 \cos 30t + b_2 \sin 30t + \ldots .$$

$$(b)\ c_1 \sin (15t + \alpha_1)^\circ + c_2 \sin (30t + \alpha_2)^\circ + c_3 \sin (45t + \alpha_3)^\circ + \ldots .$$

where t is the time in hours after midnight, Local Mean Time. In Table A only the coefficients for formula (*b*) are given.



KEY TO FIG. 15.

A. Robinson Cup Anemograph on Observatory Tower.
B. Beckley Raingauge and 8-inch Control Raingauge.
C. Grass Minimum Thermometer.
D. Experimental and Stevenson Thermometer Screens.
E. Hut for Absolute Magnetic Observations.
F. North Wall Screen containing bulbs of Photothermograph and Standard Control Thermometers.
G. Sunshine Recorder on Observatory Tower.
H. Sheds.
J. Observatory Building.

FIG. 15. SITE PLAN.

[*To face p. 222.*

FIG. 16. GENERAL VIEW FROM NORTH.

FIG. 17. GENERAL VIEW FROM WEST.

To face p. 223.]

The four values given in the line immediately below the monthly values are the arithmetic means of the monthly amplitudes; on account of the changes in phase from month to month these give a better idea of the average conditions for the year in some respects than the amplitudes computed from the annual inequality.

Notable features of Table A are the wide and irregular variations, both in amplitude and phase, of the 24-hour term, in particular the very large amplitudes in August, February and October, and the very low ones in March and May; the comparative uniformity throughout the year of the 12-hour term; the regular change in the 8-hour term with its high amplitudes in summer and winter and lower ones at the equinoxes, accompanied by a change in phase of 180° in passing from winter to summer. The 6-hour term shows no great regularity in its amplitude changes but there appears to be approximate opposition in phase as between winter and summer.

Comparing the coefficients for the year with the normal values, the amplitude of the 24-hour term is high and the maximum occurs rather early; the 12-hour term agrees very closely both in amplitude and phase; the 8-hour term, with an amplitude not much greater than half the normal value is early as regards phase; the 6-hour term has an extremely high amplitude and in phase is late by about a quarter of a period.

Normal values for the individual months are not available, but for purposes of comparison we may refer to Official Publication, No. 93, of the Meteorological Office, which gives the monthly co-efficients obtained from the mean inequalities for the period 1871–1882, but omitting the 6-hour term. The arithmetic means of the monthly amplitudes of the 12-hour and 8-hour terms for 1923 do not differ greatly from the 12-year averages but the mean of the 24-hour terms is very much in excess, being, in fact, higher than the highest value found in any one of the twelve years of the comparison period considered separately. The wide variations in the amplitude and phase of the 24-hour term, noted above, constitute a not unusual feature, and are to be found, though naturally in a much smaller degree, in the 12-year averages. The changes in the 12-hour term are in reasonably good agreement with those for the comparison period. The range, both in amplitude and phase, is very much greater in 1923, but the general sequence of values throughout the year follows that of the average values fairly closely. The highest amplitude is in March and values generally tend to be higher at the equinoxes than in summer or winter; comparatively high values of the phase angle also appear at the equinoxes, though compared with the other terms the variations are small. The 8-hour term changes also correspond fairly closely with those found for the comparison period, the winter values being on the whole higher than the summer values and these, again, considerably higher than those for the equinoxes; the phase angles for this term show the normal features of very rapid reversal in passing from winter to summer and vice versa with comparatively minor changes during the course of these seasons themselves.

Temperature.—The highest temperature of the year was 294·5a (70·7° F.) on the 6th July, and the lowest was 270·4a (27·3° F.) on the 25th November. This latter temperature occurred during a cold period of ten days, on seven of which the minimum was below the freezing point, the remaining three having minima only a fraction of a degree above it. In no other month was the temperature at any time below 273a. The mean temperature for the year was only 0·1a below average, but the individual months show differences from the corresponding normals varying from an excess of 1·7a for December to a deficiency of 2·5a for November. With the exception of November all the winter monthly means were higher than normal by more than a degree absolute; three of the equinoctial months had mean temperatures lower than normal, March alone showing an excess of about one degree absolute; the July mean was about a degree above, and those for the remaining summer months all less than normal. The mean daily ranges of temperature for the individual months were, without exception, below average, the deficiency being more than a degree absolute in eight of the twelve and in two of these more than two degrees absolute.

The mean diurnal variation of temperature for the year does not differ greatly from normal; the amplitude is about 0·5a low, and the maximum is about an hour early. The harmonic analysis of the monthly and annual variations is given in Table B. For purposes of comparison we may utilise the mean inequalities for the period 1871–1882 as was done for the harmonic coefficients of the pressure inequalities. The means given on the line immediately below the monthly values are the arithmetic means of the monthly amplitudes. These are all below average, the 24-hour term mean by some 10 per cent., the 12-hour term mean by about 15 per cent. and the 8-hour term mean by about 5 per cent. The mean inequality for the year also gives low amplitudes for all terms; in particular the 8-hour term has only half the average amplitude. In phase the 24-hour and 12-hour terms show no striking departure from the average values the first having its maximum 43 minutes late and the second 8 minutes early. The difference from the average of the 8-hour term phase is proportionally rather greater.

The monthly values show some irregularity in amplitude, particularly in the 24-hour term, the normal regular increase in going from winter to summer being conspicuously disturbed by the high values for March, April and November and the abnormally low value for October. The phase angles for this term show considerable departures from the 12-year averages in the winter months, January having its maximum about 2½ hours and each of the remaining three months about an hour late. The equinoctial and summer months have phase angles agreeing fairly well with average values with the exception of March which also has its maximum rather more than an hour late. The sequence of the 12-hour term amplitudes has the same general features as are found in the monthly values for the 12-year period, with high values at the equinoxes, lower values in winter and still lower ones in summer, with the exception that the autumn equinoctial maximum, usually occurring in October, is found instead in November, normally regarded as a winter month. The lowest amplitude, occurring in May, is abnormally low and would ordinarily be found in June. The 12-hour term phase angles show no great departure from the average, the only month in which the time of maximum differs by more than half-an-hour being April, in which month it is rather more than an hour early. For the 8-hour term amplitudes tend to be high in winter and low in summer as compared with the corresponding averages. The highest values are found in summer and the lowest at the equinoxes accompanied at the latter season by considerable changes in the phase angles. Winter and summer phases are nearly opposite. Similar phenomena are to be observed in the average values for the 12-year period. The 6-hour term amplitudes are at their highest at the equinoxes. Summer amplitudes appear on the whole to be higher than winter ones, but the difference is by no means well marked. The phase changes in the 6-hour term throughout the year are very wide and irregular, particularly in the summer months. On the average, the winter and equinoctial phases seem to be nearly opposed. No data are available for purposes of comparison in the case of this term.

Relative Humidity.—The highest daily mean value of the relative humidity was 97·5 per cent. on the 7th January, and the lowest 65·8 per cent. on the 31st May. The 8th August had a notably high mean relative humidity for a day in summer, namely, 96·3 per cent. The highest mean daily vapour pressure was 17·7 mb. which occurred on the 12th and 13th August, while the lowest was 5·2 mb. on the 24th November. The mean relative humidity for the year was 1·7 per cent. below average. The only months with relative humidity higher than average were June and July in each of which the excess was 1·5 per cent. For March the relative humidity was 5·5 per cent. and for November 4·2 per cent. below normal.

Rainfall.—The total rainfall for the year was 7 per cent. higher than normal, the actual excess being 108 millimetres. The wettest month was February, which had 275 millimetres of rain, or more than twice the normal amount, and only two days in the whole month on which no rain was recorded. August had an excess over normal of 60 per cent., and only four completely dry days. The month with least rainfall

was June, with a total of 24 millimetres, only 30 per cent. of the normal amount. January and May had each about half the average amount of rain. The greatest hour's rainfall was 8·7 millimetres, which fell between 15h and 16h on the 24th September.

Bright Sunshine.—The total amount of bright sunshine for the year 1923 was about 12 per cent. less than normal. Only March, August and November had more than average sunshine, the excess for November being about 30 per cent. and for the other two months 8 per cent. The most notable deficiencies were in February and June, both of which months had barely half the average amount of sunshine. The maximum recorded sunshine for any one day was 14·9 hours, on the 13th July. Records of 14·8 hours on the 29th May, and 14·5 hours on the 7th May, were also obtained, the last-mentioned being the day with the greatest proportion of possible sunshine recorded on any day during the year, namely, 95 per cent.

Wind Speed.—The mean monthly wind speeds were higher than average in the summer months, more particularly in May and August. In the winter months, on the other hand, wind speeds were, on the whole, below normal, the notable exception being February, which had an unusually large proportion of high winds, including three gales. Two of these, on the 5th and 7th, were of short duration, but in the third, on the night of the 26th–27th, the mean hourly winds were of gale force for 12 hours continuously. The gales of the 7th and the 26th–27th were responsible for a great deal of destruction. The year, as a whole, was not remarkable for the number of gales, one occurring in each of the months of August, September and November, besides those of February.

The highest hourly wind speed recorded was 24 metres per second (54 miles per hour) on the 7th February, with which was associated the highest gust of the year, 43 metres per second (96 miles per hour); this is the highest gust recorded by the Observatory anemometer since the commencement of its records in 1917. On this occasion two gusts of approximately the same strength occurred within a few seconds of each other and caused a considerable amount of damage to the Observatory buildings.

Cloud and Weather.—The mean amount of cloud at all observation hours was 7·7. The most cloudy month was December, with a mean amount of 8·5, but January and June each had 8·4. The least cloudy months were November, 6·5, and March, 6·6. During the year the most cloudy of the observation hours was 7h with an average of 8·1; the least cloudy was 21h with 7·4. The mean values for the individual observation hours for the year show a steady fall from 7h to 21h except that cloud amount at 15h is slightly higher than at 13h or 18h. There were very few occasions of cloudless sky, these amounting in all to no more than 28 in more than 2,000 observations; on no day throughout the year was the sky without cloud at all six observation hours, and the only near approaches to this were on the 22nd and 23rd November, on which days the average cloud amount was less than 1·0. The 24th November was also a very fine day, cloud amount at the observation hours having a mean value for the day of 1·0.

TABLE A.

Harmonic Analysis of Diurnal Variation of Pressure, 1923.
Cahirciveen (Valencia Observatory), Longitude 10° 15′ W.

Month.	Amplitude in Millibars.				Phase, Local Mean Time.							
					24-Hour Term.		12-Hour Term.		8-Hour Term.		6-Hour Term.	
	c_1	c_2	c_3	c_4	α_1	Max.	α_2	Max.	α_3	Max.	α_4	Max.
					°	h m	°	h m	°	h m	°	h m
January ..	·232	·341	·190	·075	259·7	12 41	164·4	9 56	358·9	2 2	235·6	3 35
February ..	·729	·388	·108	·060	143·9	20 25	142·0	10 16	9·7	1 47	101·9	5 48
March	·045	·453	·057	·046	318·2	8 44	164·7	9 30	16·5	1 38	29·7	1 0
April	·225	·239	·040	·062	279·7	11 21	161·1	9 38	167·7	6 17	1·2	1 29
May	·076	·340	·102	·040	226·7	14 53	139·6	10 21	180·7	5 59	327·8	2 2
June	·252	·276	·110	·038	201·3	16 35	141·9	10 16	163·9	6 21	343·0	1 47
July	·407	·271	·100	·008	144·3	20 22	148·0	10 4	149·3	6 27	55·0	0 35
August ..	·972	·207	·035	·050	181·9	17 52	118·8	11 2	176·1	6 5	316·7	2 14
September ..	·260	·305	·018	·061	238·5	14 6	149·1	10 2	251·3	4 25	3·4	1 27
October ..	·700	·328	·030	·055	240·9	13 57	159·6	9 41	316·1	2 59	357·5	1 33
November ..	·133	·381	·122	·022	34·7	3 39	165·6	9 29	27·5	1 23	166·8	4 43
December ..	·482	·290	·098	·044	322·3	8 31	150·2	10 0	6·1	1 52	214·4	3 56
Mean	·376	·318	·084	·047	..	..	..	..	..	..	..	..
Year	·196	·310	·019	·020	200·9	16 16	152·4	9 55	30·7	1 19	347·9	1 42
*Normal	·151	·307	·034	·004	188·1	17 28	151·5	9 57	2·8	1 56	83·5	0 7

* From the mean diurnal inequality for the period 1871–1915.

TABLE B.

Harmonic Analysis of Diurnal Variation of Temperature, 1923.
Cahirciveen (Valencia Observatory), Longitude 10° 15′ W.

Month.	Amplitude in Degrees Absolute.				Phase, Local Mean Time.							
					24-Hour Term.		12-Hour Term.		8-Hour Term.		6-Hour Term.	
	c_1	c_2	c_3	c_4	α_1	Max.	α_2	Max.	α_3	Max.	α_4	Max.
					°	h m	°	h m	°	h m	°	h m
January ..	·495	·170	·103	·015	207·1	16 12	60·5	0 59	241·1	4 39	77·9	0 12
February ..	·631	·344	·084	·051	227·1	14 52	52·6	1 15	252·3	4 24	103·9	5 46
March	1·879	·484	·084	·158	221·5	15 14	63·5	0 53	305·5	3 13	178·8	4 31
April	1·746	·435	·170	·100	234·3	14 23	96·8	11 46	53·5	0 49	254·2	3 16
May	1·574	·098	·153	·053	242·7	13 49	58·1	1 4	63·5	0 35	15·4	1 15
June	1·393	·208	·148	·030	241·1	13 56	72·5	0 35	71·0	0 25	201·4	4 9
July	1·719	·134	·192	·042	246·9	13 32	73·7	0 33	72·9	0 23	342·4	1 48
August	1·340	·225	·094	·059	247·9	13 28	72·0	0 36	35·7	1 12	267·4	3 3
September ..	1·112	·280	·052	·106	243·3	13 47	83·8	0 12	106·1	7 38	276·4	2 54
October	·676	·326	·065	·025	249·5	13 22	58·1	1 4	310·5	3 6	237·3	3 33
November ..	1·034	·438	·174	·020	237·1	14 12	48·4	1 23	270·1	4 0	351·9	1 38
December ..	·367	·284	·072	·065	231·3	14 35	33·5	1 53	240·9	4 39	62·8	0 27
Mean	1·164	·285	·116	·060	..	..	..	..	..	..	..	..
Year	1·117	·273	·027	·021	239·3	14 3	64·6	0 51	37·1	1 11	248·4	3 22
Period 1871–1882	1·251	·328	·054	..	244·9	13 40	60·7	0 59	54·4	0 47	..	..

TERRESTRIAL MAGNETISM.

Notes on the Magnetic Observations for the Year 1923.

Absolute observations of declination, horizontal force and inclination were made weekly at the Valencia Observatory during the year 1923. The instruments in use were the same as in previous years, namely, the Dover unifilar, No. 139, with collimator magnet 139A and mirror magnet 139C, and the Dover dip circle, No. 118. The needles of the dip circle were sent to the Kew Observatory early in the year for testing, and during the interval from the 13th March to the 18th July, inclusive, a pair of needles, No. 33B, belonging to a dip circle at Kew, was used. The tests at Kew having proved satisfactory, the Valencia needles were brought into use again in July without alteration. Comparisons carried out before and after the period during which the needles 33B were used showed no sensible difference between the readings of the two pairs of needles so that no instrumental discontinuities were introduced by the changes in March and July. The mean times of observation were 10·20 for the declination, 11·38 for the horizontal force and 14·29 for the inclination, all according to Greenwich Mean Time. In the individual observations the only departures of note from the mean times were one of 6 minutes and one of 7 minutes for inclination. The deflection of the mirror magnet was measured for two distances of the collimator magnet, namely, 30 cm. and 40 cm., and a single distribution constant, P, was calculated. The complete deflection observation consisted of eight readings of the mirror magnet as in the latter part of the year 1922. It had been found in 1922 that the extreme variation in P was equivalent to about 6γ in the value of H as compared with 3γ in the previous year, but it did not appear to be necessary to attribute this increase in what must be presumed to be casual error to the change in the routine of the deflection observation, and this is borne out by the extreme variation in P found for the year 1923 which is 3γ in the value of H, or the same as in the year preceding that in which the change was made. The mean value of P was 7·66. The moment of the collimator magnet has decreased at the rate of about 1½ units per annum as compared with 3 units per annum in the previous two or three years.

The values of the declination, horizontal force and inclination obtained in the absolute observations are given in detail in Table C. All the observations made are included in this table, but in Table D the mean monthly values are computed from only such of the absolute observations as were taken at times subsequently found, by reference to the Kew magnetograph curves and the quarterly list of daily "magnetic characters" published by authority of the International Meteorological Committee, to be free from serious disturbance. Observations in Table C taken at disturbed times, and not, therefore, utilised for the mean values in Table D, are marked with an asterisk. The north, west and vertical components and the total force for each month and the year are computed from the corresponding mean values of the observed elements.

Westerly declination has diminished by 10′·5 as compared with 1922. From 1921 to 1922 the decrease was 9′·5 and in the previous 12 months 11′·4. The average annual decrease for the five years 1915–1920 was 9′·2, and for the five years 1910–1915 it was 8′·2. During the three years ending in 1923 the average annual decrement is 10′·5 so that the rate of the eastward movement of the magnetic needle appears to be increasing slowly.

Northerly inclination decreased by 1′·5 from 1922 to 1923. The corresponding change for the preceding year was −0′·4, and for the year previous to that −1′·9. From 1910 to 1915 the average yearly decrease was 1′·0 and from 1915 to 1920 0′·5. For the three years 1920–1923 the average change per year is −0′·8. Inclination, therefore, continues to diminish at a slow rate.

It was remarked in these notes for the year 1922, that since the year 1920 the horizontal force had appeared to be increasing slowly whereas previously it had shown a steady decline from year to year. For the five-year period 1910–1915 the average annual decrease was about 5γ and for the period 1915–1920 about 6γ, while from

1920 to 1921 an increase of 8γ appeared, followed the next year by a further increase, but only of 1γ. The mean for 1923 shows a further increase of 3γ over that for 1922, so that the steady fall in the horizontal force would seem definitely to be checked and to have given place to a slow annual rise.

The horizontal force, however, is merely a component, and to consider its changes apart from the corresponding changes in the total force might give rise to misleading conclusions. Reference to the last column of Table D shows that the reversal of the annual change in the horizontal force from 1920 onwards is not accompanied by any such reversal in the total force. From 1910 to 1915 the average yearly change in the total force was −49γ, and from 1915 to 1920 it was −33γ. From 1920 to 1923 the mean annual change is again −33γ, so that the total force continues to decrease at a fairly uniform rate. The individual changes from year to year as shown in the table are somewhat irregular, but this may be due in considerable measure to instrumental uncertainties. The total force is computed from the horizontal force and the inclination, using the formula T = H sec I, so that an error of 0′·1 in I would give an error of approximately 4γ in T at Valencia. In addition, it is to be remembered that the secular change data for Valencia are obtained from absolute observations made at fixed hours at any of which the value obtained for an element may differ, by an amount which is not necessarily constant, from its true mean value for the day of observation. It is by no means improbable that owing to this and errors of observation, uncertainties to the extent of several tenths of a minute of arc may be introduced into the mean value of I for the year. For the average change over a series of years these possible errors are naturally much diminished and the average fall of 33γ per annum in the total force obtained from the values in Table D is probably a close approximation to the true change. This continued decrease in the total force indicates that the rise in the value of the horizontal force observed since 1920 is not a true increase in the magnetic field but merely a component increase arising from the continued fall in the inclination, which becomes proportionally more effective in the horizontal component as the actual inclination angle itself becomes smaller. The magnetic field in the Valencia district continues to become less year by year, therefore, although without observations of inclination the opposite would have appeared to be the case for the last three years.

Table C.

Cahirciveen (Valencia Observatory), Absolute Magnetic Observations, 1923.

Latitude 51° 56′. Longitude 10° 15′W.

Date.	Westerly Declination	Horizontal Force	Northerly Inclination
	° ′	γ	° ′
January 3 ..	18 52·5	17864	67 59·1
,, 10 ..	18 52·6	17860	68 0·7
,, 17 ..	18 51·2	17861	..
,, 19 ..	..	..	68 0·9
,, 24 ..	18 52·0	17857	68 2·4
,, 31 ..	18 51·2	17846	68 3·0
February 7 ..	18 50·8	17863	..
,, 8 ..	..	..	68 3·4
,, 16 ..	18 51·3	..	..
,, 21 ..	18 49·5	17850	..
,, 23 ..	..	..	68 1·8
,, 28 ..	18 52·7	17853	..
March 2 ..	..	..	68 3·4
,, 6 ..	..	..	68 1·6
,, 9 ..	18 50·0	17862	..
,, 13 ..	..	..	68 2·6
,, 14 ..	18 48·7	17863	..
,, 20 ..	..	..	67 59·2
,, 21 ..	18 47·8	17831	..
,, 27 ..	..	..	68 2·9
,, 28 ..	18 51·5	17833	..
April 4 ..	18 46·8	17829	..
,, 5 ..	..	..	68 1·6
,, 11 ..	18 49·1	17860	68 0·5
,, 18 ..	18 45·8	17839	..
,, 19 ..	..	..	68 1·9
,, 20 ..	..	17843	..
,, 24 ..	..	..	68 0·4
,, 25 ..	18 48·5	..	..
May 1 ..	..	..	68 1·5
,, 2 ..	18 50·7	17865	..
,, 8 ..	..	..	68 0·1
,, 9 ..	18 47·4	17861	..
,, 15 ..	..	..	68 2·4
,, 16 ..	18 47·5	..	..
,, 18 ..	..	17854	..
,, 23 ..	18 44·1	17857	68 1·2
,, 29 ..	..	..	68 0·7*
,, 30 ..	18 47·6	17850	..
June 8 ..	18 46·9	17848	68 1·5
,, 13 ..	18 49·7*	17829*	68 0·3*
,, 20 ..	..	..	68 0·3
,, 21 ..	18 49·1	17857	..
,, 27 ..	18 45·4	17850	68 1·8

Date.	Westerly Declination	Horizontal Force	Northerly Inclination
	° ′	γ	° ′
July 3	..	..	68 0·1
,, 4	18 44·2	17853	..
,, 11	18 45·8	17844*	68 3·2
,, 18	18 44·7	17867	68 0·3*
,, 25	18 42·9	17848	68 1·1
August 1	18 43·1	..	67 59·9
,, 2	..	17846	..
,, 8	18 46·0	..	68 1·0
,, 9	..	17858	..
,, 15	18 44·7	17851	..
,, 16	..	..	68 0·9
,, 22	18 45·5	17878	68 1·1
,, 29	18 45·4	17849	68 2·0
September 5	18 43·9	..	68 1·7
,, 6	..	17852	..
,, 12	18 43·3	17842	68 1·8
,, 19	18 44·3	17847	68 2·9
,, 26	18 43·9	17836*	..
,, 27	..	..	68 3·6
October 4	18 44·0	17847	..
,, 6	..	..	68 3·0
,, 11	18 42·3	17845	68 3·5
,, 17	18 42·3	17837	..
,, 18	..	..	68 1·0
,, 24	18 44·8	17846	68 1·6
,, 31	18 42·2	17840	68 0·7
November 7	..	..	68 0·4
,, 8	18 42·2	17848	..
,, 14	18 42·7	17829	68 1·9
,, 21	18 43·4	17822	67 59·5
,, 28	18 43·7	17860	68 1·8
December 4	18 44·8	..	68 1·3
,, 12	18 41·0	17869	67 59·6
,, 19	..	17878	..
,, 21	18 42·1	17866	68 0·5
,, 26	18 46·4	..	..
,, 27	..	..	68 1·7
,, 28	..	17847	..

* Disturbance at these times. Values not utilised in computing means given in Table D.

TABLE D.

Valencia Observatory, Cahirciveen.

Magnetic Data for the Year 1923.

1923	Declination (West).	Inclination (North).	Horizontal Force.	North.	West.	Vertical.	Total.
	° ′	° ′	γ	γ	γ	γ	γ
January	18 51·9	68 1·2	17858	16899	5774	44245	47712
February	18 51·1	68 2·6	17855	16897	5769	44288	47753
March	18 49·5	68 1·9	17847	16892	5759	44244	47708
April	18 47·5	68 1·1	17843	16892	5748	44204	47669
May	18 47·5	68 1·3	17857	16905	5752	44246	47713
June	18 47·1	68 1·2	17852	16901	5749	44230	47697
July	18 44·4	68 1·5	17856	16909	5737	44251	47717
August	18 44·9	68 1·0	17856	16908	5729	44231	47700
September	18 43·9	68 2·5	17847	16902	5731	44266	47729
October	18 43·1	68 2·0	17843	16899	5726	44237	47700
November	18 43·0	68 0·9	17840	16896	5725	44189	47654
December	18 43·6	68 0·8	17865	16919	5736	44247	47718
Year, 1923	18 46·5	68 1·5	17852	16902	5746	44242	47707
Year, 1922	18 57·0	68 3·0	17849	16882	5796	44289	47750
Year, 1921	19 6·5	68 3·4	17848	16865	5842	44299	47760
Year, 1920	19 17·9	68 5·3	17840	16837	5896	44353	47806
Year, 1919 ..	19 27·2	68 6·1	17842	16823	5942	44385	47837
Year, 1918	19 36·2	68 6·5	17844	16810	5987	44407	47858
Year, 1915	20 3·8	68 7·9*	17869	16785	6130	44519*	47972*
Year, 1910	20 44·6	68 13·0	17892	16732	6337	44771	48215

* Mean of 11 months only.

Readings in millibars at exact hours, Greenwich Mean Time.

285. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **January, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	003·9	004·2	004·9	005·4	005·5	005·5	005·7	006·2	006·4	005·5	005·2	004·4	003·1	002·6	002·7	002·8	002·6	003·0	003·1	002·9	003·2	003·2	002·9	002·5	004·1
2	001·3	000·1	999·2	997·9	996·9	997·2	997·3	997·1	996·8	996·4	995·9	994·9	993·9	993·2	993·2	993·5	993·9	994·4	994·5	995·2	995·4	996·2	997·1	997·3	**996·3**
3	997·5	998·0	998·6	999·3	000·1	000·9	001·8	002·2	004·2	004·6	006·0	006·8	007·1	008·4	009·4	010·1	011·6	012·4	013·0	014·0	015·1	015·7	016·7	017·0	006·7
4	017·9	018·4	019·1	019·4	019·8	020·2	020·7	020·9	021·1	021·3	021·4	020·9	019·8	019·5	019·1	018·6	018·0	017·1	016·0	015·0	014·1	012·9	011·0	009·1	018·1
5	006·9	004·9	003·4	001·0	001·7	000·9	001·0	001·9	003·0	003·7	004·6	004·9	005·6	006·1	007·0	008·0	009·1	009·4	010·3	011·2	012·0	012·7	013·3	013·9	006·4
6	014·3	014·7	015·3	015·5	015·7	016·3	017·2	017·4	018·4	018·5	018·4	018·2	017·5	016·8	016·2	015·5	014·3	013·6	013·0	013·0	013·0	012·8	012·7	012·3	015·5
7	012·4	012·6	012·6	012·8	012·8	012·6	012·7	012·8	013·3	013·4	013·6	013·6	013·1	012·6	012·1	011·5	011·0	011·0	010·5	010·2	009·9	009·2	008·6	008·5	011·9
8	009·3	009·9	010·9	011·9	012·6	013·6	015·0	016·3	017·8	018·6	020·6	019·9	019·1	018·7	019·3	018·9	018·9	017·9	016·9	015·6	013·7	011·3	010·1	010·2	015·3
9	009·1	009·1	009·4	009·7	009·4	009·6	009·9	010·2	010·8	011·2	010·4	010·3	009·8	010·0	009·8	009·9	009·7	010·2	009·8	009·9	010·1	010·1	010·1	010·1	009·9
10	009·8	009·9	010·4	010·6	010·6	010·7	011·5	011·7	012·0	012·6	013·4	013·0	013·0	013·4	013·5	013·5	014·1	014·1	014·8	015·1	015·9	015·6	015·7	015·7	012·8
11	015·7	016·0	016·2	016·7	016·8	017·2	017·8	018·2	019·2	019·4	019·4	018·9	019·2	018·9	019·0	019·4	019·2	019·5	019·9	020·3	020·4	020·3	020·4	020·6	018·6
12	020·3	020·5	020·7	020·9	021·1	021·5	021·9	022·2	022·6	023·2	023·7	023·8	023·7	023·6	024·1	024·2	024·6	025·0	025·5	025·8	025·5	025·4	025·5	025·8	023·3
13	025·7	025·4	025·5	025·3	025·1	025·2	025·5	025·9	026·0	025·8	025·2	024·7	024·2	024·3	024·5	024·7	025·0	024·9	025·0	024·9	024·6	024·4	024·3	025·1	
14	024·1	024·0	023·9	023·9	023·8	023·5	023·7	023·9	025·4	026·2	027·1	027·6	027·8	028·1	028·7	029·3	029·5	030·3	030·9	031·2	031·6	031·8	032·0	032·0	027·4
15	032·0	032·1	032·7	032·5	032·4	032·5	032·6	032·9	033·5	033·4	033·6	033·2	032·9	032·3	032·2	032·2	032·4	032·9	032·8	032·7	032·4	032·3	032·1	032·2	032·6
16	031·9	031·8	031·4	031·2	030·5	030·4	030·4	030·2	030·2	030·0	029·6	029·0	028·2	027·9	027·6	027·2	027·3	027·0	026·7	026·5	026·3	026·2	026·1	026·2	028·9
17	026·1	026·1	025·9	026·1	025·9	026·1	026·1	026·9	027·5	027·9	028·4	028·5	028·5	028·7	029·2	029·7	030·6	031·5	032·2	032·9	033·0	033·5	033·8	034·3	029·0
18	034·4	034·6	035·0	035·5	035·6	035·4	035·9	036·4	037·1	037·2	037·4	037·3	037·1	037·1	037·2	036·9	036·8	037·7	038·4	038·4	038·3	038·1	038·1	038·3	036·8
19	037·9	037·5	037·1	037·1	036·6	036·2	036·1	036·2	036·3	035·8	035·3	034·4	033·2	032·6	031·5	031·1	030·6	029·8	029·3	029·0	028·8	028·4	028·1	028·3	033·4
20	028·2	028·3	028·4	028·9	029·0	029·0	029·2	030·3	030·9	031·0	031·4	031·4	031·6	031·7	032·1	032·6	033·1	033·6	034·0	034·8	034·0	034·2	034·3	034·1	031·4
21	034·2	033·9	033·8	033·9	033·3	033·0	032·7	032·8	033·1	032·9	032·8	032·7	032·3	032·0	031·9	032·0	032·4	032·8	033·0	033·2	033·2	033·0	032·8	032·8	033·0
22	032·8	033·0	033·3	033·1	032·8	032·8	033·0	033·3	033·8	033·7	033·7	033·5	032·8	032·6	032·6	032·6	032·8	032·9	033·3	033·9	034·2	034·3	034·6	034·8	033·3
23	035·0	035·5	035·8	035·7	035·9	036·3	036·4	036·4	036·8	036·4	036·4	036·2	036·0	035·2	035·0	034·9	035·0	035·3	035·4	035·6	035·5	035·1	035·0	034·7	035·6
24	034·5	034·2	034·3	034·5	034·5	034·6	034·8	035·0	035·6	036·0	036·6	036·2	035·8	035·4	035·7	035·7	035·8	036·2	036·7	037·1	037·5	037·5	037·5	037·4	035·7
25	037·2	037·1	037·1	037·0	037·0	037·0	037·1	037·4	037·9	038·2	037·9	037·6	037·5	037·1	036·9	037·0	037·1	037·3	037·5	037·2	037·2	037·1	037·1	037·3	**037·3**
26	037·0	036·7	036·8	036·7	036·6	036·4	036·2	036·3	036·7	036·8	036·9	036·4	036·0	035·4	035·1	034·9	034·6	034·7	034·5	034·3	034·1	034·0	033·6	033·2	035·7
27	032·8	032·3	031·9	031·5	031·2	030·7	030·6	030·7	030·8	030·8	030·9	030·8	030·4	029·9	029·8	029·7	029·7	029·8	029·8	029·9	030·1	030·1	030·2	030·4	030·7
28	030·1	029·8	029·7	029·5	028·7	028·5	028·3	028·3	028·8	028·9	028·9	028·7	028·2	027·4	027·3	027·0	026·9	026·7	026·7	026·7	026·5	026·4	026·2	026·0	028·0
29	025·3	024·7	024·5	024·2	023·8	023·1	022·5	022·4	022·4	022·2	022·1	021·9	021·5	021·0	021·0	020·7	020·7	020·8	020·8	021·0	021·4	021·5	021·6	021·7	022·3
30	021·8	022·0	022·2	022·2	022·1	022·0	022·2	022·6	022·9	022·9	022·9	022·9	022·7	022·1	021·7	021·4	021·3	021·2	021·2	021·1	021·2	021·6	021·7	021·8	022·0
31	021·5	021·1	020·7	020·6	020·0	019·7	019·3	019·0	018·9	018·8	019·0	018·7	018·1	017·7	017·4	017·3	017·4	017·3	017·3	017·8	018·7	018·5	018·7	018·8	018·9
Mean (Station level)	1022 ·61	1022 ·53	1022 ·60	1022 ·60	**1022 ·51**	1022 ·53	1022 ·73	1023 ·02	1023 ·55	1023 ·66	**1023 ·85**	1023 ·61	1023 ·23	1022 ·97	1022 ·99	1022 ·99	1023 ·09	1023 ·24	1023 ·31	1023 ·43	1023 ·46	1023 ·34	1023 ·29	1023 ·28	1023 ·09
Mean (Sea level)	1024 ·30	1024 ·22	1024 ·31	1024 ·31	**1024 ·22**	1024 ·22	1024 ·43	1024 ·72	1025 ·25	1025 ·35	**1025 ·54**	1025 ·30	1024 ·92	1024 ·66	1024 ·68	1024 ·68	1024 ·78	1024 ·93	1025 ·00	1025 ·12	1025 ·15	1025 ·03	1024 ·98	1024 ·97	1024 ·78

286. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **February, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	.mb	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	018·1	017·5	016·6	015·5	014·4	014·1	013·9	013·9	014·4	014·4	014·5	014·1	013·2	012·1	010·8	010·8	010·5	010·6	010·1	010·7	010·5	011·5	012·2	012·6	013·3
2	012·6	012·2	012·3	012·2	012·0	011·6	011·1	011·0	011·1	011·2	011·4	011·7	011·5	011·3	011·2	011·0	011·0	011·1	011·1	011·2	011·4	012·1	012·4	012·7	011·6
3	012·6	012·5	012·5	012·2	011·9	012·3	012·3	012·3	012·9	013·1	013·0	013·0	012·6	012·2	011·7	012·1	012·6	012·9	013·3	013·8	014·4	015·1	015·8	016·2	013·0
4	016·5	016·7	017·2	017·3	017·8	018·1	018·6	018·9	019·2	019·4	019·4	019·0	018·4	017·8	017·1	016·8	016·4	016·5	015·2	014·7	013·7	013·2	012·4	011·6	**016·8**
5	010·6	009·7	009·1	007·9	007·1	006·3	006·0	005·3	004·7	004·2	003·5	002·4	001·3	999·7	998·0	996·8	995·5	994·1	992·8	991·5	989·9	988·7	987·0	985·3	000·4
6	983·7	983·1	982·8	981·8	982·4	982·2	982·5	982·5	982·6	982·8	982·7	982·3	981·7	981·4	981·2	981·9	982·3	983·0	983·6	984·2	983·7	983·7	982·3	980·7	982·6
7	977·5	973·7	968·4	960·0	955·7	958·5	962·2	965·6	968·5	969·3	970·3	971·2	971·6	972·0	972·1	971·9	970·6	970·7	971·0	970·2	969·8	969·9	970·0	969·5	969·0
8	969·2	969·2	969·5	969·4	969·3	969·8	969·9	970·4	971·0	971·2	972·3	972·9	973·7	975·7	977·7	980·1	982·6	984·5	986·2	987·4	988·5	989·0	991·2	991·7	976·8
9	992·7	992·8	992·9	992·9	993·0	992·5	991·6	990·5	989·5	987·6	986·1	984·0	981·7	979·4	979·1	979·8	979·5	979·7	980·4	980·4	980·6	980·7	980·9	981·0	985·6
10	981·4	981·4	981·4	981·2	981·0	981·6	981·9	982·8	984·3	984·7	985·4	985·7	986·3	986·8	987·4	987·7	988·4	988·8	989·6	990·1	990·8	991·5	992·4	993·0	985·8
11	994·0	994·9	995·7	996·7	998·1	999·5	000·5	001·9	003·2	004·1	004·7	005·3	005·4	005·3	005·5	005·8	005·9	005·5	007·1	007·0	007·2	007·3	008·3	008·7	002·9
12	009·9	010·0	010·1	010·0	010·3	010·4	010·6	011·1	011·2	011·3	012·2	012·1	011·9	011·5	011·5	011·3	011·3	011·2	011·0	010·9	011·1	011·0	011·1	011·0	011·0
13	011·2	011·0	010·7	010·6	010·8	011·1	011·8	012·2	012·6	013·1	013·8	014·2	014·8	014·9	014·9	015·5	015·7	015·9	016·8	017·4	017·4	017·3	017·9	018·3	014·0
14	018·5	018·4	018·1	018·0	017·8	017·8	017·5	017·3	017·1	016·7	016·4	016·0	014·9	014·5	013·2	012·0	011·9	010·6	010·1	009·0	007·8	006·8	006·1	005·0	014·1
15	003·9	002·6	001·6	000·3	998·8	997·7	996·5	996·3	996·3	996·1	996·2	996·4	995·4	995·3	995·3	996·3	997·3	997·9	998·8	999·6	000·1	000·4	000·7	001·0	998·5
16	000·8	000·0	999·0	998·2	997·3	996·4	995·8	995·1	994·5	993·7	993·4	992·9	992·8	992·9	993·0	993·5	994·7	996·0	996·8	998·0	999·1	000·0	000·7	001·8	996·5
17	002·5	002·9	003·0	003·0	002·7	002·8	002·5	002·0	001·4	000·4	000·0	999·4	998·7	997·8	996·6	996·3	995·7	995·5	994·1	993·1	991·7	989·9	987·5	985·1	998·0
18	982·8	982·8	983·9	984·2	985·1	985·0	985·2	985·5	985·7	986·3	987·2	987·9	989·1	990·7	991·8	993·2	994·1	995·2	996·2	996·9	997·4	998·4	998·8	999·1	989·8
19	999·5	999·3	999·3	999·2	999·2	999·2	999·1	999·2	999·1	999·2	999·6	999·6	999·6	999·6	999·7	000·1	000·2	001·0	001·7	002·1	002·5	002·9	003·0	003·3	000·2
20	003·7	003·6	003·6	003·4	003·0	003·4	002·6	002·3	001·4	000·6	999·8	999·0	997·2	995·1	993·5	992·1	990·5	989·3	988·0	987·3	986·7	987·1	987·0	986·9	996·5
21	986·7	986·1	985·8	985·5	985·6	985·3	985·3	985·4	985·2	985·1	985·9	985·9	985·6	985·0	984·7	984·8	985·0	985·8	986·5	986·9	987·0	986·8	986·6	986·4	985·8
22	985·9	985·0	984·0	983·1	981·9	981·3	981·2	981·2	981·4	981·4	981·3	981·6	981·8	981·0	982·5	982·8	982·8	983·2	983·4	983·5	983·0	983·6	983·6	983·9	982·8
23	983·8	984·0	984·4	984·9	985·0	985·1	984·9	984·8	984·6	983·9	983·1	982·4	980·9	979·4	977·6	976·1	974·5	973·9	973·1	972·3	972·5	972·4	972·6	973·0	979·8
24	973·5	973·6	974·2	974·6	975·6	976·1	977·5	978·7	980·0	981·4	982·9	984·3	985·6	986·8	987·9	988·8	989·7	991·1	992·5	993·2	993·6	993·7	993·7	993·8	983·9
25	993·9	993·5	994·5	994·9	994·9	995·2	995·7	995·3	995·7	996·5	996·6	996·7	996·6	995·8	994·7	993·6	992·9	991·8	990·5	988·7	986·5	983·6	980·9	977·9	992·7
26	976·0	972·7	969·9	966·9	963·7	960·4	955·5	951·8	949·0	950·4	951·1	951·2	950·8	951·6	952·5	954·1	955·7	956·6	958·7	960·4	961·9	963·5	964·9	966·0	**959·3**
27	966·7	967·9	969·2	970·1	971·5	972·4	973·3	974·3	975·5	976·5	078·0	979·1	980·2	981·3	982·5	983·6	984·7	986·0	987·3	988·2	989·1	989·7	990·0	990·3	979·0
28	990·2	989·9	989·1	988·2	987·3	987·0	986·8	986·5	986·4	986·6	987·7	989·0	989·9	991·1	991·8	992·5	993·2	993·9	994·6	995·3	995·9	996·7	997·2	997·7	990·9
Mean (Station level)	**994 ·94**	994 ·54	994 ·24	993 ·65	993 ·33	993 ·33	**993 ·30**	993 ·36	993 ·55	993 ·61	993 ·87	993 ·90	993 ·69	993 ·53	993 ·41	993 ·63	993 ·76	994 ·01	994 ·31	994 ·43	994 ·44	994 ·55	994 ·54	994 ·41	993 ·05
Mean (Sea level)	**996 ·61**	996 ·21	995 ·91	995 ·32	995 ·00	995 ·00	**994 ·97**	995 ·03	995 ·22	995 ·29	995 ·54	995 ·57	995 ·36	995 ·20	995 ·08	995 ·30	995 ·43	995 ·68	995 ·98	996 ·10	996 ·11	996 ·22	996 ·21	996 ·08	995 ·62
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

287. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **March, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	008·3	008·4	998·5	998·6	998·7	998·5	997·8	996·9	996·0	994·6	992·5	990·0	987·0	982·8	980·7	981·3	982·1	983·5	984·6	985·5	986·1	987·1	988·4	989·0	990·9
2	989·3	989·4	989·2	989·0	988·8	988·1	987·9	988·4	988·6	988·7	988·8	988·6	988·0	987·9	987·4	987·1	987·0	987·4	987·6	987·3	987·4	987·8	988·3	988·5	**988·2**
3	989·0	989·2	989·4	989·8	990·7	992·4	994·1	996·3	998·7	000·0	001·7	002·0	004·2	005·7	007·1	008·6	009·6	011·0	012·8	013·8	015·1	015·7	016·4	017·2	002·4
4	017·9	018·3	018·7	019·2	019·7	020·5	020·7	021·0	021·6	021·6	021·9	021·8	021·7	021·1	020·9	020·5	019·9	019·6	018·8	018·4	017·1	016·3	015·0	014·2	019·5
5	013·3	012·3	011·7	012·1	012·7	013·4	014·0	014·9	015·7	016·4	017·0	017·7	018·0	018·4	018·3	018·2	018·2	018·3	017·9	017·2	016·7	016·2	015·6	014·7	015·8
6	013·7	012·2	010·0	008·6	007·3	006·1	006·4	007·3	007·3	007·6	008·1	008·2	008·1	008·1	008·1	007·8	007·6	008·0	008·2	008·3	008·7	008·9	009·2	009·4	008·6
7	009·6	009·9	009·9	010·2	010·6	011·4	011·6	012·3	013·2	013·5	013·5	014·0	014·2	014·2	014·6	014·7	015·5	016·0	016·5	016·7	017·1	017·5	017·9	018·0	013·7
8	018·1	018·0	018·0	018·3	018·4	018·7	019·1	019·6	020·1	020·0	020·3	020·2	020·4	019·9	020·0	020·0	020·1	020·1	020·3	020·3	020·3	020·3	020·1	019·9	019·6
9	019·9	019·7	019·2	018·6	018·6	018·6	018·3	018·4	018·2	018·0	017·6	017·2	016·7	015·7	015·3	014·6	014·3	014·5	014·2	013·8	013·9	013·3	012·6	011·8	016·5
10	011·2	010·6	009·9	008·4	007·4	006·7	006·4	005·4	004·4	003·1	002·4	001·4	000·6	999·4	998·7	999·4	999·9	000·5	001·7	002·4	003·3	004·0	005·2	005·9	004·2
11	006·6	007·2	007·8	008·7	008·7	009·4	009·9	010·9	011·7	011·8	012·1	012·0	011·9	011·4	011·4	011·0	010·4	009·4	009·5	009·3	008·8	008·7	008·7	008·9	009·8
12	008·7	008·4	007·9	007·3	007·1	006·7	006·2	005·7	005·0	004·9	005·5	006·1	006·6	006·7	007·1	007·8	008·9	010·9	012·3	013·8	014·8	016·0	016·9	017·9	008·9
13	018·4	019·1	019·9	021·0	021·6	022·5	023·4	024·1	025·5	025·6	026·0	026·0	026·0	026·3	026·1	026·0	026·0	026·5	026·7	026·8	026·8	026·9	026·9	026·7	024·4
14	026·6	026·3	025·9	025·5	025·3	025·1	025·2	025·3	025·6	025·6	025·0	024·8	024·4	024·0	023·6	023·3	023·4	023·5	023·6	023·5	023·7	023·7	023·7	023·6	**024·7**
15	023·7	023·3	023·2	022·8	022·7	022·8	022·8	022·8	022·9	022·8	022·8	022·6	022·2	022·0	021·9	021·5	021·5	021·5	021·7	021·7	021·8	021·6	021·2	021·1	022·3
16	020·8	020·3	019·8	019·4	019·3	019·3	019·7	019·9	020·1	020·1	020·1	020·1	019·9	019·6	019·6	019·1	019·5	019·9	020·3	020·7	021·1	021·0	021·2	021·0	020·1
17	021·0	020·8	020·3	020·2	020·3	020·6	021·0	021·4	022·0	022·1	022·2	022·2	021·9	021·9	021·7	021·6	021·8	022·0	022·7	023·2	023·4	023·6	023·5	023·2	021·8
18	023·3	023·8	023·5	023·4	024·0	024·2	024·3	024·7	024·9	024·5	024·4	023·9	024·0	023·8	023·5	023·2	023·0	023·3	023·4	023·5	023·6	023·3	022·9	022·7	023·7
19	021·8	021·3	020·7	020·5	020·3	019·8	019·9	019·8	019·7	019·3	018·9	018·6	018·0	017·5	017·2	017·0	017·0	017·3	017·7	017·8	017·8	017·8	017·5	017·1	018·9
20	017·1	017·0	016·8	016·7	016·4	016·6	016·9	017·3	017·4	017·4	017·1	017·0	017·0	016·8	016·7	016·8	017·1	017·8	018·1	018·6	019·1	019·3	019·4	019·4	017·4
21	019·3	019·6	019·9	019·8	019·7	019·8	020·0	020·3	020·9	020·8	020·9	020·7	020·5	020·1	020·0	019·7	019·5	019·6	019·5	019·5	019·6	019·3	018·7	018·4	019·9
22	018·2	017·7	017·3	016·8	016·3	016·1	016·1	016·2	016·2	015·8	015·4	015·0	014·6	014·1	013·4	012·9	012·5	012·6	012·6	012·7	012·6	012·3	012·1	011·9	014·8
23	011·7	011·1	010·9	010·7	010·6	010·6	010·7	010·9	011·1	011·1	010·8	010·9	010·7	010·7	010·7	010·7	010·8	011·1	011·6	012·0	012·2	012·2	012·2	012·4	011·2
24	012·5	012·4	012·2	012·1	012·2	012·3	012·6	012·6	012·5	012·1	012·3	012·0	012·0	011·7	011·1	010·6	010·3	009·8	009·5	009·3	008·5	007·6	006·3	005·2	011·0
25	004·3	003·7	003·0	003·2	003·7	006·1	008·7	010·3	011·6	012·8	014·2	014·9	015·7	016·1	016·3	016·5	016·9	017·3	017·4	017·5	017·3	017·0	016·8	016·5	012·2
26	016·0	015·2	014·7	014·0	013·2	012·8	012·0	012·2	012·2	011·5	011·3	010·8	010·0	009·5	008·8	008·0	007·3	006·5	006·0	005·4	005·1	004·4	003·7	003·2	010·0
27	002·6	002·1	002·0	002·3	002·3	002·4	002·8	003·0	003·5	003·3	003·3	002·9	002·7	002·5	002·4	002·3	002·5	002·6	003·2	004·0	004·9	005·7	007·0	008·0	003·2
28	009·2	010·4	011·5	012·4	013·7	014·7	016·0	016·9	018·4	019·0	019·5	020·2	020·8	020·9	021·1	021·1	021·2	021·3	021·5	021·4	021·7	021·8	021·8	021·5	018·0
29	021·2	020·7	020·4	019·9	019·7	019·4	018·9	018·9	018·7	018·3	018·0	017·9	017·7	017·2	016·9	016·6	016·5	016·5	016·7	016·8	016·9	016·9	016·9	017·0	018·2
30	017·0	017·0	017·4	017·7	018·0	018·6	019·2	019·6	019·9	020·1	020·1	020·0	019·9	019·5	019·1	018·9	019·3	018·8	019·4	019·3	019·4	019·0	019·0	018·8	018·9
31	018·2	017·0	016·5	016·2	015·9	015·5	014·8	014·4	014·1	013·2	012·4	011·8	012·0	012·3	012·7	012·8	013·2	013·7	013·8	014·2	014·5	014·7	014·7	014·7	014·4
Mean (Station level)	1013 ·50	1013 ·30	1013 ·10	**1013 ·01**	1013 ·03	1013 ·22	1013 ·47	1013 ·80	1014 ·12	1014 ·05	1014 ·07	1013 ·95	1013 ·79	1013 ·48	1013 ·30	1013 ·21	1013 ·32	1013 ·57	1013 ·87	1014 ·02	1014 ·17	**1014 ·19**	1014 ·15	1014 ·12	1013 ·65
Mean (Sea level)	1015 ·19	1014 ·99	1014 ·79	**1014 ·70**	1014 ·72	1014 ·91	1015 ·16	1015 ·49	1015 ·81	1015 ·73	1015 ·75	1015 ·62	1015 ·46	1015 ·15	1014 ·97	1014 ·88	1014 ·99	1015 ·25	1015 ·45	1015 ·70	1015 ·86	**1015 ·88**	1015 ·84	1015 ·81	1015 ·33

288. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **April, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	014·6	014·3	014·0	014·0	013·9	014·0	014·2	014·4	014·6	014·7	015·1	015·0	014·9	014·9	015·0	015·1	015·3	015·6	016·2	016·6	017·2	017·5	017·9	018·0	015·2
2	018·0	018·1	018·0	018·1	018·4	018·9	018·9	019·7	019·8	019·8	020·0	019·8	020·1	020·0	019·9	019·7	019·8	019·8	019·8	019·9	019·9	019·9	019·5	019·2	**019·4**
3	018·9	018·4	018·0	017·5	017·1	016·9	016·4	016·2	015·9	015·3	015·0	014·4	014·0	012·8	011·7	010·4	009·5	008·3	007·3	006·3	005·4	005·5	006·3	006·2	012·9
4	006·1	006·0	005·5	005·6	005·8	005·8	005·9	006·3	006·5	006·5	006·5	006·4	006·1	006·2	006·2	006·0	005·9	006·0	006·5	006·9	007·0	007·2	007·2	007·3	006·3
5	007·2	007·3	007·2	007·3	007·4	007·8	008·3	008·6	009·1	009·0	009·0	009·2	009·4	009·6	009·7	009·7	009·9	010·2	010·3	010·5	011·0	010·7	010·2	009·9	009·1
6	009·4	008·8	008·0	007·3	006·4	005·0	005·3	004·6	003·8	002·0	002·0	001·3	000·1	999·0	998·1	996·7	995·5	994·8	994·1	993·5	993·0	991·9	991·8	992·1	000·6
7	992·4	992·2	992·1	992·1	992·1	992·1	992·5	992·9	993·0	993·5	993·9	994·7	995·4	996·0	996·4	997·3	998·1	998·8	999·0	999·5	000·0	000·8	001·3	001·9	995·3
8	002·2	002·4	002·6	003·0	003·3	003·8	004·6	004·7	004·8	004·9	005·0	004·9	004·8	004·8	004·9	004·7	004·7	004·4	004·1	003·8	003·6	003·0	002·3	002·0	003·9
9	001·6	000·7	000·0	999·6	999·3	999·0	998·9	998·7	998·4	998·3	998·4	998·1	998·2	998·2	998·5	998·7	998·8	998·8	999·1	999·7	000·3	000·7	000·5	000·4	999·3
10	000·8	000·8	000·6	000·4	000·5	000·5	000·5	000·4	000·6	999·7	999·2	998·6	997·6	997·1	996·3	996·1	996·4	996·6	997·0	996·9	997·1	996·7	996·7	996·9	998·6
11	996·6	996·5	996·3	996·2	996·2	996·4	996·5	996·6	996·9	996·8	996·7	996·8	996·6	996·8	996·8	996·6	996·8	996·8	996·8	996·9	996·9	996·9	996·6	996·2	996·6
12	996·0	995·4	995·1	995·0	994·6	994·5	994·4	994·5	994·3	994·0	993·6	993·0	992·8	992·4	992·0	990·9	990·3	990·0	989·7	989·2	989·1	988·2	987·7	987·2	992·4
13	986·6	986·0	985·0	984·5	983·9	983·4	983·0	982·7	982·6	982·4	982·4	983·0	983·3	983·6	983·7	983·8	984·3	984·8	985·3	985·8	986·2	986·5	986·7	986·8	**984·4**
14	986·9	986·7	986·5	986·6	986·7	987·0	987·2	987·5	987·7	987·8	987·9	988·0	987·9	987·9	987·7	986·9	986·1	985·5	985·3	985·3	985·3	985·0	984·4	984·5	986·6
15	984·9	985·6	986·0	987·3	988·0	988·9	989·5	990·1	991·1	991·7	992·5	993·2	993·6	993·9	994·5	995·1	995·9	997·0	997·9	999·4	000·4	001·4	001·9	002·5	993·1
16	003·0	003·5	003·6	004·2	004·7	005·1	005·8	006·1	006·5	006·9	007·3	007·7	008·0	008·1	008·3	008·2	008·3	008·7	008·7	009·1	009·2	009·2	009·0	008·7	006·9
17	008·1	007·9	007·1	006·9	006·7	006·5	006·8	006·7	006·7	006·3	006·5	006·6	006·1	006·0	005·5	005·0	004·6	004·2	003·9	003·6	003·5	002·9	002·4	002·2	005·7
18	001·9	001·9	001·8	001·8	001·9	002·1	002·2	002·2	002·3	002·3	001·9	001·8	001·6	001·7	001·7	001·3	001·2	001·3	001·2	001·1	001·1	000·6	000·3	000·4	001·6
19	000·2	999·8	999·3	998·5	997·9	997·9	997·5	997·3	997·4	997·2	997·0	996·7	996·5	996·5	996·4	996·4	996·5	996·6	997·2	998·0	998·5	998·8	999·5	999·7	997·8
20	000·1	999·8	000·1	000·5	001·0	001·8	002·1	002·9	003·5	003·8	004·3	004·8	005·1	005·3	005·5	005·6	005·9	006·5	006·7	007·4	008·0	008·0	008·0	008·1	004·2
21	008·0	007·9	008·0	008·2	008·4	009·0	009·6	009·5	009·4	009·2	008·9	008·7	008·4	008·3	007·7	007·5	007·3	007·5	007·3	007·4	007·4	007·2	007·1	006·9	008·1
22	006·8	006·6	006·2	006·4	006·4	006·7	006·9	007·3	007·6	007·8	008·0	008·4	008·6	008·8	008·9	009·0	009·4	009·9	010·6	011·1	012·0	012·4	012·6	013·0	008·7
23	013·3	013·3	013·4	013·7	013·9	014·1	014·8	015·1	015·5	015·6	015·7	015·9	015·9	016·0	016·1	016·0	016·1	016·0	017·4	018·1	018·6	019·0	019·4	019·8	016·0
24	020·3	020·2	020·1	020·0	020·1	020·2	020·3	020·2	019·9	019·3	018·7	017·9	016·9	015·7	014·4	012·7	011·3	009·5	007·6	005·6	004·3	002·2	000·3	999·6	014·5
25	999·0	998·5	998·2	998·1	997·9	998·1	998·0	998·0	997·8	997·5	996·9	996·5	996·1	995·5	995·0	994·5	994·0	993·4	992·9	992·3	992·0	991·7	991·6	991·9	995·8
26	993·0	994·2	995·6	997·0	998·2	999·7	001·3	002·5	003·7	004·2	004·6	005·2	005·8	006·3	006·9	007·1	007·2	007·3	008·0	008·3	009·0	009·2	009·4	009·5	003·5
27	000·5	000·7	000·8	010·1	010·2	011·0	011·3	011·8	012·1	012·5	012·5	012·4	012·2	012·5	012·5	012·4	012·3	012·3	012·4	012·4	012·6	012·6	012·7	012·6	011·7
28	012·7	012·2	011·8	011·8	011·8	011·6	011·8	011·7	011·9	011·8	011·6	011·4	011·1	011·2	011·2	010·8	010·4	010·0	010·1	010·0	010·3	009·7	009·2	008·4	011·1
29	008·2	007·7	007·5	007·3	007·1	007·3	007·8	007·9	008·5	008·5	008·4	008·3	008·6	008·7	008·6	008·1	008·0	008·3	008·2	008·3	008·7	008·1	008·1	007·9	008·1
30	007·6	007·1	006·6	006·5	006·6	006·6	006·1	006·2	006·4	006·4	006·6	006·8	007·0	007·4	007·7	007·8	008·2	008·3	008·4	008·8	009·5	009·6	009·9	010·2	007·5
Mean (Station level)	1003 ·80	1003 ·65	**1003 ·48**	1003 ·52	1003 ·51	1003 ·73	1003 ·95	1004 ·10	**1004 ·27**	1004 ·20	1004 ·19	1004 ·16	1004 ·07	1004 ·02	1003 ·91	1003 ·64	1003 ·59	1003 ·60	1003 ·65	1003 ·75	1003 ·94	1003 ·79	1003 ·69	1003 ·68	1003 ·83
Mean (Sea level)	1005 ·48	1005 ·33	**1005 ·16**	1005 ·20	1005 ·19	1005 ·42	1005 ·63	1005 ·78	**1005 ·94**	1005 ·87	1005 ·86	1005 ·82	1005 ·73	1005 ·68	1005 ·57	1005 ·30	1005 ·25	1005 ·27	1005 ·32	1005 ·42	1005 ·61	1005 ·47	1005 ·37	1005 ·36	1005 ·50
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Station Level

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

289. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **May, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	010·4	010·6	010·7	011·0	011·1	011·6	012·6	013·3	014·0	014·5	014·9	015·2	015·7	016·0	016·3	016·5	016·9	017·1	017·3	017·8	018·8	019·2	019·5	019·6	014·8
2	019·5	019·4	019·3	019·5	019·5	019·3	019·7	020·0	020·0	020·0	019·9	019·8	019·5	019·3	019·0	018·6	017·9	017·8	017·6	017·8	018·2	018·2	018·4	018·3	019·0
3	017·9	017·8	017·7	017·5	017·3	017·7	018·1	018·1	018·0	018·1	018·4	018·6	018·6	018·4	018·2	018·2	017·8	017·8	017·7	017·8	017·9	017·5	017·4	017·2	017·9
4	016·9	016·6	016·1	015·7	015·4	015·4	015·3	015·0	014·8	014·9	014·8	014·8	014·7	014·4	014·1	013·9	013·6	013·3	013·3	013·4	013·4	013·3	013·0	012·9	014·6
5	012·4	012·1	011·8	011·5	011·1	010·8	010·8	010·8	010·7	010·5	010·0	009·8	009·7	009·3	009·0	008·7	008·4	008·4	008·3	008·5	008·8	008·8	009·0	009·5	010·0
6	009·7	009·6	009·8	009·7	010·0	010·7	011·2	011·7	012·8	013·4	014·1	014·8	015·0	015·3	015·6	016·1	016·6	017·3	017·9	018·5	019·0	019·3	019·7	019·8	014·3
7	019·8	020·0	019·9	019·9	020·1	020·8	021·3	021·7	021·9	021·9	022·0	022·0	021·9	021·9	021·5	021·7	021·8	021·8	021·9	022·2	021·9	021·7	021·6	021·3	021·3
8	021·2	020·8	020·4	020·4	020·3	020·4	020·4	020·4	020·4	020·3	020·2	020·2	020·0	020·0	019·6	019·2	019·0	018·7	018·7	019·0	019·2	018·9	018·2	017·7	019·8
9	017·0	016·8	016·2	015·8	015·3	015·4	015·5	015·1	015·2	015·1	015·2	015·2	015·4	015·2	015·2	015·2	016·2	016·6	017·2	017·8	018·5	018·8	019·0	019·7	016·3
10	019·9	019·6	019·7	019·7	019·4	019·3	019·2	019·0	018·9	018·6	018·1	017·2	016·6	015·7	014·7	013·5	012·3	011·1	010·5	009·6	009·0	007·8	007·8	007·3	015·4
11	006·8	006·2	005·9	006·0	005·8	005·9	006·0	006·1	006·2	005·7	005·4	005·4	005·7	005·5	005·0	004·9	004·9	005·1	005·3	005·9	006·8	007·2	007·7	008·1	006·0
12	008·1	007·9	008·2	008·2	008·1	008·2	008·7	008·7	008·7	008·1	008·2	007·6	007·8	007·5	007·3	006·5	006·3	005·8	005·6	005·4	005·7	005·7	005·5	005·4	007·3
13	005·2	005·1	005·1	005·0	004·9	005·1	005·3	005·5	005·9	006·0	006·7	007·2	007·3	007·6	008·0	008·3	008·6	009·2	009·4	010·0	010·8	011·1	011·4	011·4	007·4
14	011·4	011·2	010·9	010·4	009·7	009·0	008·2	007·7	007·2	006·7	006·2	005·3	004·5	004·1	003·2	002·6	002·4	002·2	002·4	002·3	002·8	002·7	002·6	002·7	005·9
15	002·7	002·5	002·3	002·2	002·2	002·3	002·4	002·7	003·2	003·3	004·3	004·5	005·0	005·4	005·8	006·0	006·3	006·3	007·0	008·1	008·8	009·3	009·6	009·6	**004·9**
16	009·4	009·3	008·9	009·0	009·0	009·2	010·1	010·8	011·8	012·3	013·1	013·5	014·3	014·7	015·0	015·2	015·3	015·5	015·8	016·2	016·8	017·1	017·2	017·3	013·0
17	017·1	017·0	017·2	017·6	017·9	018·5	019·3	019·7	020·3	020·3	020·8	021·2	021·3	021·3	021·4	021·4	021·2	021·0	021·0	021·1	021·4	021·4	021·2	021·1	020·0
18	020·9	020·8	020·7	020·7	020·7	021·0	021·1	021·5	021·9	022·0	022·1	022·2	022·4	022·3	022·2	022·2	021·9	021·8	021·7	021·7	021·6	021·3	021·0	020·7	021·5
19	020·3	019·6	019·2	018·7	018·5	018·2	018·1	017·9	017·5	017·2	016·9	016·6	016·2	015·7	015·4	014·9	014·3	013·7	013·1	012·8	012·7	012·2	011·3	010·6	016·1
20	009·7	008·7	008·0	007·2	006·6	006·3	006·7	007·0	007·1	007·2	007·5	007·7	008·0	008·1	008·5	008·7	008·9	009·1	009·2	009·8	010·6	010·9	011·1	011·3	008·5
21	011·4	011·6	011·7	011·7	012·3	012·7	013·0	013·4	013·9	014·1	014·3	014·5	014·4	014·6	014·5	014·3	014·1	013·9	014·2	014·4	015·0	015·0	015·1	015·1	013·6
22	015·0	015·0	014·9	014·8	014·6	014·7	014·7	014·6	014·7	014·7	014·7	014·7	014·8	014·6	014·4	014·1	013·7	013·2	013·1	013·4	013·7	013·7	013·8	013·7	014·3
23	013·4	013·3	013·4	013·5	014·1	015·2	016·2	016·5	017·5	018·2	018·7	019·3	019·8	020·5	021·2	021·4	021·8	022·0	022·6	023·1	023·8	024·1	024·8	025·2	018·9
24	025·4	025·6	025·7	025·8	026·1	026·5	026·7	026·9	027·3	027·3	027·1	027·0	027·0	026·7	026·1	025·8	025·2	024·6	024·3	023·7	023·3	022·6	021·9	021·3	**025·5**
25	020·8	020·3	019·9	019·6	019·5	019·6	019·8	019·7	019·9	019·8	019·7	019·4	019·5	019·3	019·2	018·9	019·0	019·0	019·1	019·4	019·8	019·6	019·6	019·8	019·6
26	019·8	019·7	019·1	019·2	019·5	019·5	019·5	019·6	019·8	019·5	019·5	019·6	019·3	019·2	019·3	019·3	019·3	019·5	020·1	020·2	020·6	020·6	020·5	020·2	019·7
27	020·0	019·8	019·5	019·3	019·4	019·4	019·5	019·6	019·7	019·4	019·7	019·9	019·7	019·9	020·1	020·1	020·0	020·2	020·8	021·1	021·5	022·1	022·0	022·1	020·2
28	022·2	022·2	022·3	022·1	022·2	022·8	022·8	022·6	022·9	022·8	022·9	022·8	022·8	022·6	022·4	021·8	021·7	022·1	022·3	022·8	023·9	024·9	025·1	025·4	022·8
29	025·3	025·3	025·3	025·4	025·4	025·6	025·6	025·4	025·4	025·1	025·1	025·0	024·6	024·3	024·2	023·5	022·9	022·8	022·4	022·6	023·3	023·3	022·7	022·8	024·4
30	022·1	021·7	021·1	020·6	020·3	020·1	019·8	019·5	019·4	019·0	018·7	018·2	018·3	018·2	017·9	017·6	017·4	017·4	017·7	017·9	018·5	018·9	018·8	018·9	019·2
31	018·5	018·7	018·7	018·8	019·1	019·6	020·0	020·1	020·3	020·9	021·0	021·1	021·2	020·7	020·4	020·1	019·7	019·6	019·7	019·9	020·5	020·6	020·2	020·1	020·0
Mean (Station level)	1015 ·81	1015 ·64	1015 ·47	1015 ·37	**1015 ·33**	1015 ·51	1015 ·73	1015 ·83	1016 ·04	1016 ·03	1016 ·13	1016 ·14	1016 ·16	1016 ·07	1015 ·97	1015 ·77	1015 ·65	1015 ·61	1015 ·71	1015 ·93	1016 ·35	**1016 ·39**	1016 ·35	1016 ·33	1015 ·88
Mean (Sea level)	1017 ·50	1017 ·33	1017 ·16	1017 ·06	**1017 ·02**	1017 ·20	1017 ·42	1017 ·51	1017 ·72	1017 ·70	1017 ·80	1017 ·81	1017 ·83	1017 ·74	1017 ·64	1017 ·44	1017 ·32	1017 ·28	1017 ·38	1017 ·61	1018 ·04	**1018 ·08**	1018 ·04	1018 ·02	1017 ·56

290. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **June, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	020·3	020·3	020·1	020·0	020·1	020·6	020·7	020·8	020·8	020·9	021·3	021·4	021·7	021·8	021·8	021·7	021·7	021·8	022·1	022·6	023·4	023·9	024·3	024·4	021·5
2	024·6	024·9	025·1	025·2	025·5	025·9	026·2	026·7	026·8	026·9	026·7	027·0	027·1	027·2	026·9	026·6	026·1	026·1	026·2	026·1	026·7	026·8	026·8	026·4	026·2
3	026·1	025·8	025·8	025·4	025·2	024·8	025·2	025·3	024·7	024·3	024·0	024·0	023·9	023·8	023·8	023·5	023·4	023·3	022·9	023·0	022·9	022·4	022·5	022·0	024·2
4	021·5	020·9	020·3	019·7	019·4	019·3	019·5	019·9	019·9	019·6	019·7	019·9	020·1	020·1	020·3	020·1	020·2	020·3	020·6	021·0	021·8	021·8	021·8	021·9	020·4
5	021·8	021·5	021·4	021·2	021·2	021·4	021·7	021·9	022·3	022·3	022·1	022·1	022·3	022·4	022·2	022·0	022·0	021·9	022·1	022·3	022·7	022·8	022·8	023·0	022·0
6	022·7	022·6	022·3	022·2	022·3	022·3	022·4	022·6	022·8	022·8	023·1	023·2	023·2	023·3	023·3	023·2	023·2	023·2	023·0	022·9	022·9	023·2	023·1	023·1	022·9
7	022·8	022·4	022·0	021·8	021·8	021·7	021·5	021·6	021·3	021·2	020·8	020·5	020·2	019·6	019·2	018·4	017·9	017·2	016·9	016·5	016·3	015·6	014·7	013·9	019·6
8	013·1	012·1	011·0	009·9	009·2	008·7	008·3	008·0	008·1	008·1	008·3	009·0	009·0	009·0	009·4	009·3	009·2	009·0	008·8	008·8	008·6	008·1	007·2	006·6	009·2
9	006·4	006·3	005·9	005·8	005·9	006·3	006·5	006·8	007·3	007·3	007·3	007·4	007·5	007·3	007·2	006·7	006·6	006·7	007·2	008·4	009·1	009·7	009·8	010·0	**007·2**
10	010·1	010·5	010·5	011·1	011·7	012·6	013·4	014·5	015·6	016·6	017·4	018·0	018·9	019·4	020·3	020·8	021·3	021·7	022·4	023·1	024·0	024·9	025·4	025·7	017·6
11	026·1	026·3	026·9	027·2	027·9	028·9	029·7	030·5	031·2	031·6	032·1	032·8	033·2	033·8	034·2	034·3	034·5	034·7	035·1	035·1	035·5	035·9	035·9	036·1	031·8
12	035·5	035·3	034·7	034·2	034·1	033·9	033·4	033·3	033·3	032·9	033·0	032·6	031·9	031·7	031·2	030·9	030·7	030·5	030·1	029·9	029·9	029·3	028·9	028·4	**032·2**
13	028·0	027·4	026·9	026·6	026·2	025·9	025·9	025·8	025·8	025·8	025·9	026·0	026·0	026·1	026·4	026·4	026·3	026·4	026·5	026·6	027·0	027·2	027·3	027·4	026·5
14	027·5	027·2	027·0	026·8	027·2	027·2	027·3	027·9	028·0	027·8	027·6	027·6	027·6	027·4	027·3	026·5	026·2	025·9	025·3	025·2	024·8	024·5	024·1	023·6	026·6
15	022·9	022·6	021·9	021·3	021·1	020·8	020·5	020·4	019·9	019·6	019·4	019·3	019·3	019·5	019·3	019·1	019·0	019·2	019·2	019·8	020·4	020·4	020·4	020·5	020·3
16	020·7	020·8	020·8	021·0	021·7	022·0	022·6	023·0	023·3	023·4	023·4	023·5	024·2	024·3	024·2	024·2	024·3	024·4	024·5	024·5	025·1	025·0	025·3	025·3	023·3
17	025·3	025·2	024·9	025·1	025·1	025·2	025·5	025·7	025·7	025·8	025·7	026·0	025·9	025·9	025·9	025·6	025·5	025·4	025·1	025·0	025·2	025·0	024·9	024·7	025·4
18	024·5	024·1	023·8	023·6	023·6	023·7	023·8	023·7	023·8	023·7	023·8	023·7	023·6	023·4	023·5	023·2	022·9	022·9	022·7	022·9	023·2	023·0	023·3	023·5	023·5
19	023·6	023·6	023·6	023·7	024·0	024·4	025·0	025·3	025·8	026·0	026·0	026·2	026·4	026·5	026·4	026·2	026·1	026·7	026·8	026·1	026·4	026·4	026·7	026·9	025·5
20	026·8	026·7	026·5	026·7	027·0	027·4	028·0	028·1	028·3	028·9	029·1	029·3	029·4	029·3	029·5	029·4	029·1	029·4	029·6	029·8	030·0	030·2	030·2	030·2	028·6
21	030·0	029·6	029·4	029·1	029·0	028·9	028·7	028·7	028·7	028·6	028·7	028·8	028·8	029·0	028·9	028·7	028·7	028·8	029·1	029·2	029·4	029·7	029·7	029·8	029·1
22	029·6	029·5	029·3	029·2	029·4	029·5	029·8	030·1	030·3	030·2	030·2	030·3	030·2	030·2	030·3	030·3	030·1	030·2	030·2	030·3	030·4	030·7	030·7	030·6	030·1
23	030·4	030·0	029·9	029·8	029·6	029·7	029·9	030·1	030·2	030·0	030·2	030·2	030·2	030·2	030·1	030·0	030·0	029·9	029·9	029·6	029·8	030·0	030·0	029·8	030·0
24	029·1	029·0	028·9	028·4	028·4	028·6	028·7	028·9	028·9	028·9	028·8	028·7	028·6	028·4	028·3	028·2	027·8	027·7	027·6	027·5	027·8	027·8	027·5	027·1	028·4
25	026·7	026·4	026·0	025·8	025·9	026·0	026·0	026·0	026·0	026·1	025·8	025·9	025·8	025·7	025·5	025·3	025·1	025·2	025·2	025·3	025·2	024·8	024·3	024·0	025·6
26	023·9	023·3	023·0	022·7	022·7	022·6	022·9	022·8	022·9	022·9	023·0	023·1	023·0	023·2	023·2	023·3	023·2	022·9	023·4	023·6	024·1	024·3	024·4	024·2	023·3
27	024·0	024·0	024·0	023·9	023·8	024·0	024·1	024·2	024·2	024·3	024·7	024·5	024·7	024·6	024·6	024·8	025·0	024·9	024·9	025·0	025·1	025·1	025·2	025·1	024·5
28	025·1	024·9	024·7	024·8	024·9	024·9	025·1	025·3	025·1	025·1	025·0	025·0	025·1	025·1	025·2	025·3	025·3	025·3	025·4	025·5	025·6	025·8	025·8	025·7	025·2
29	025·5	025·2	025·0	024·8	024·9	025·0	025·3	025·5	025·7	025·7	025·8	025·8	025·7	025·5	025·4	024·9	024·8	024·9	024·9	025·1	025·4	025·2	025·1	024·9	025·3
30	024·3	024·2	023·8	023·4	023·5	023·4	023·6	023·7	023·6	023·4	023·4	023·4	023·2	022·8	022·6	022·4	022·1	022·1	022·1	022·4	022·6	022·7	022·7	022·7	023·1
Mean (Station level)	1023 ·96	1023 ·75	1023 ·51	**1023 ·35**	1023 ·41	1023 ·52	1023 ·70	1023 ·88	1024 ·01	1024 ·03	1024 ·08	1024 ·17	1024 ·22	1024 ·21	1024 ·21	1024 ·04	1023 ·94	1023 ·93	1023 ·95	1024 ·11	1024 ·38	**1024 ·41**	1024 ·35	1024 ·24	1023 ·98
Mean (Sea level)	1025 ·65	1025 ·44	1025 ·20	**1025 ·04**	1025 ·10	1025 ·21	1025 ·39	1025 ·56	1025 ·69	1025 ·71	1025 ·76	1025 ·85	1025 ·89	1025 ·88	1025 ·88	1025 ·71	1025 ·61	1025 ·61	1025 ·63	1025 ·79	1026 ·06	1026 ·09	1026 ·03	1025 ·93	1025 ·66

G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

291. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **July, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	022·3	022·2	021·8	021·8	022·0	022·0	021·0	021·9	021·8	021·8	021·4	021·5	021·2	021·2	021·0	020·5	020·0	019·7	019·7	019·4	019·2	018·9	018·6	017·9	020·9
2	017·7	017·0	016·2	016·0	015·7	015·2	014·8	014·8	014·2	013·8	013·4	013·1	012·7	012·2	011·7	011·1	010·8	010·4	010·1	009·8	009·4	009·1	008·6	008·2	013·0
3	007·8	007·4	007·1	007·0	007·1	007·2	007·5	008·0	008·6	008·9	009·2	009·5	009·7	009·8	009·8	009·9	009·8	010·0	010·1	010·0	010·2	010·2	010·2	010·1	008·9
4	010·1	009·9	009·8	009·9	010·0	010·2	010·4	010·9	010·9	011·1	011·3	011·6	011·9	012·3	012·4	012·5	012·6	012·8	013·4	013·5	013·9	014·4	014·6	014·6	011·8
5	015·1	014·9	015·0	015·1	015·2	015·3	015·6	015·8	016·0	016·2	016·6	016·7	016·7	017·0	016·8	017·0	017·0	017·2	017·2	017·4	017·8	017·8	017·6	017·4	016·4
6	017·3	016·9	016·2	016·2	015·7	015·1	014·5	014·2	013·9	013·4	013·2	012·8	012·8	012·8	012·6	012·8	012·8	012·7	013·2	013·6	013·7	013·9	013·8	013·7	014·2
7	013·6	013·4	012·9	012·6	012·7	012·8	013·0	013·0	013·3	013·4	013·6	013·6	013·6	013·7	013·7	013·9	014·2	014·4	014·7	014·9	015·2	015·6	015·7	015·8	013·8
8	015·7	015·4	015·0	014·8	014·5	014·3	014·1	014·0	013·4	012·9	012·4	011·6	010·9	010·6	010·3	009·9	009·6	009·7	009·7	009·9	010·2	010·2	010·3	010·0	012·2
9	009·8	009·4	008·8	008·7	008·5	009·0	008·9	009·0	009·3	009·5	009·5	009·5	009·9	010·5	010·5	010·5	010·7	011·0	011·1	011·4	011·8	012·3	012·5	012·8	010·1
10	012·8	012·6	012·8	012·9	013·2	013·8	014·1	015·0	015·3	015·5	015·6	015·7	015·9	016·4	016·8	017·1	017·7	018·0	018·7	019·2	019·6	019·9	020·0	020·3	016·0
11	020·5	020·4	020·4	020·5	020·7	021·1	021·4	021·9	022·2	022·3	022·6	022·7	023·1	023·2	023·5	023·5	023·4	023·4	023·4	023·4	023·7	023·9	023·8	024·0	022·4
12	023·5	023·4	023·3	023·3	023·4	023·5	023·7	024·0	023·8	023·9	024·4	024·6	024·4	024·2	024·1	024·0	024·0	023·6	023·6	024·0	024·4	024·2	023·9	023·6	023·9
13	023·7	023·2	022·9	023·0	022·8	023·0	023·0	022·9	022·8	022·5	022·2	021·4	021·3	020·9	020·9	020·9	020·8	020·4	020·3	020·3	020·7	020·9	021·0	020·8	021·8
14	020·3	019·8	019·4	019·3	019·4	019·6	019·5	019·3	018·8	018·6	018·7	018·7	018·6	018·4	018·0	017·8	017·6	017·4	017·1	016·9	016·9	016·5	016·2	015·8	018·4
15	015·2	014·5	013·6	012·6	012·1	011·6	010·8	010·5	009·7	009·2	009·0	009·0	009·2	009·4	009·4	009·6	009·8	009·8	010·1	010·2	010·3	010·7	010·8	010·8	010·9
16	010·8	010·9	010·9	010·8	010·8	011·0	011·2	011·2	011·0	011·1	011·1	011·1	011·1	011·0	010·7	010·6	010·3	010·1	010·2	010·0	010·2	010·3	010·2	010·2	010·7
17	010·1	009·7	009·4	008·9	008·7	008·8	008·9	009·0	009·0	009·2	009·3	009·8	009·9	010·2	010·5	010·7	010·8	011·2	011·6	011·8	012·1	012·7	013·0	013·2	010·3
18	013·2	013·3	013·5	013·8	014·3	014·6	014·9	015·5	015·9	016·7	017·0	017·3	017·6	018·0	018·1	018·3	018·2	018·5	018·6	018·8	019·0	018·8	018·8	018·5	016·6
19	018·1	017·9	017·4	017·4	017·0	016·9	017·0	017·2	017·6	017·9	018·1	018·8	018·6	019·4	019·8	019·9	019·9	020·0	020·1	020·5	021·1	021·3	021·4	021·2	018·9
20	021·1	021·1	021·1	021·4	021·6	021·0	022·2	022·6	023·3	023·4	023·6	023·7	023·8	023·8	023·7	023·7	023·6	023·7	023·9	024·0	024·5	024·4	024·3	024·4	023·1
21	024·4	024·3	024·4	024·6	025·0	025·2	025·7	026·1	026·4	026·5	026·7	027·0	027·1	027·3	027·3	027·4	027·4	027·3	027·5	027·7	028·0	028·0	027·9	027·8	**026·5**
22	027·7	027·4	027·2	027·1	026·9	026·8	026·9	026·6	026·4	026·0	026·1	026·2	025·7	025·2	024·9	024·2	023·7	023·2	022·5	021·9	021·6	021·4	020·7	019·8	025·0
23	018·7	017·5	016·3	015·4	014·9	014·6	014·6	014·5	014·5	014·5	014·5	014·4	014·5	014·5	014·4	014·4	014·5	014·5	014·7	014·9	015·2	015·2	015·3	015·2	015·2
24	014·8	014·2	013·8	013·7	013·5	013·5	013·6	013·5	013·6	013·3	013·4	013·5	013·8	013·7	013·3	013·3	013·2	012·9	012·9	012·9	013·3	013·4	012·8	012·5	013·5
25	011·9	011·1	010·6	010·1	010·3	010·7	010·9	011·0	011·3	011·6	012·0	012·4	012·8	012·8	013·0	013·1	013·2	013·7	013·8	014·0	014·8	014·9	014·9	014·8	012·4
26	015·0	014·9	014·9	014·9	015·2	015·5	015·9	016·1	016·3	016·7	017·4	017·7	017·9	018·1	018·0	018·0	018·1	017·9	018·0	018·2	018·3	018·1	017·9	017·3	016·9
27	016·8	015·7	014·9	014·1	013·4	013·0	013·0	012·6	012·5	012·6	012·5	012·1	011·5	011·2	010·5	010·1	009·2	008·5	008·0	007·7	007·7	007·0	006·5	005·8	011·4
28	005·5	005·1	004·3	004·1	003·7	003·9	004·0	004·2	004·3	004·6	005·0	005·2	005·4	005·6	005·7	005·7	005·7	005·9	006·0	006·2	006·5	006·5	006·7	006·6	005·3
29	006·4	006·2	006·1	006·1	006·0	006·0	006·1	005·9	005·7	005·1	004·8	004·2	003·3	002·3	002·4	002·8	003·1	003·3	003·5	004·1	004·5	004·5	004·5	004·1	004·7
30	003·6	003·1	002·7	002·2	001·6	001·4	000·8	000·2	000·0	998·3	997·1	996·8	996·4	995·9	995·8	995·9	996·1	996·7	997·0	997·2	997·9	997·9	997·8	997·5	998·9
31	997·2	996·4	995·5	995·0	994·2	993·8	993·7	993·3	992·9	992·8	992·6	992·7	992·7	993·0	993·5	994·0	994·7	995·4	996·2	997·0	998·1	998·7	999·5	000·2	**995·1**
Mean (Station level)	**1014** ·86	1014 ·49	1014 ·13	1013 ·98	**1013** ·87	1013 ·91	1013 ·95	1014 ·02	1014 ·02	1013 ·98	1014 ·01	1014 ·03	1014 ·01	1014 ·02	1013 ·97	1013 ·97	1013 ·95	1013 ·98	1014 ·09	1014 ·21	1014 ·51	1014 ·57	1014 ·51	1014 ·35	1014 ·17
Mean (Sea level)	**1016** ·51	1016 ·14	1015 ·78	1015 ·63	**1015** ·52	1015 ·56	1015 ·60	1015 ·67	1015 ·66	1015 ·62	1015 ·65	1015 ·66	1015 ·64	1015 ·65	1015 ·60	1015 ·60	1015 ·58	1015 ·62	1015 ·73	1015 ·85	1016 ·16	1016 ·22	1016 ·16	1016 ·00	1015 ·81

292. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **August, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	001·0	001·5	001·9	002·1	002·7	003·3	003·9	004·7	005·3	005·4	005·8	006·0	006·2	006·4	006·5	006·2	006·1	006·0	005·5	004·7	004·0	002·9	002·0	999·7	004·2
2	996·0	992·8	989·7	986·9	983·2	981·6	979·4	978·0	978·1	978·7	981·1	985·8	990·3	994·5	997·4	999·5	001·2	002·6	004·2	005·8	007·3	008·2	009·1	009·7	**993·2**
3	010·7	011·2	011·9	012·7	013·5	014·3	015·1	016·3	016·8	017·5	018·4	019·0	019·7	020·6	020·9	021·1	021·6	021·9	022·2	022·3	022·2	022·7	022·5	022·5	018·0
4	022·4	021·7	021·1	020·4	020·7	020·2	019·9	019·4	019·3	018·8	018·5	018·1	017·4	017·0	016·8	016·1	015·2	014·4	013·6	012·9	012·5	012·0	011·0	010·4	017·3
5	009·4	008·8	008·7	008·8	008·0	009·6	010·1	010·5	011·3	011·5	012·0	012·5	012·7	013·2	013·5	013·7	013·8	013·7	014·0	014·5	015·2	014·9	014·6	014·3	012·0
6	013·8	013·2	012·8	012·5	012·1	011·8	011·8	011·6	011·6	011·5	011·8	011·7	011·9	012·1	012·1	011·8	011·5	011·3	011·2	011·2	011·2	010·7	010·3	009·9	011·8
7	009·3	008·7	007·8	007·8	008·0	008·4	009·2	010·0	011·2	011·7	012·2	012·6	012·8	012·8	013·0	012·9	012·8	012·8	012·8	012·6	012·6	012·3	012·0	012·1	011·1
8	011·8	011·5	011·3	010·9	010·6	010·9	010·9	010·7	010·7	010·7	010·6	010·4	010·5	010·6	010·6	010·8	011·0	011·1	011·6	011·7	012·1	012·5	011·7	012·1	012·3	011·2
9	012·5	012·6	012·8	013·4	013·6	014·2	015·0	015·8	016·0	016·6	017·4	017·7	018·0	018·4	018·4	018·7	019·1	019·6	019·8	020·4	021·0	021·4	021·4	021·3	017·1
10	021·4	021·7	021·3	021·6	022·0	022·2	022·5	023·1	023·6	023·9	024·3	024·2	024·3	024·0	024·0	023·9	023·9	023·9	024·0	024·1	024·0	024·2	024·2	024·3	023·3
11	023·9	023·5	023·6	023·1	023·0	023·2	023·0	022·8	022·7	023·1	023·0	022·8	022·8	022·7	022·4	022·0	021·8	021·3	020·9	020·8	020·5	020·4	020·3	020·0	022·3
12	020·0	019·2	018·9	018·5	018·0	017·7	017·8	017·7	017·3	016·9	016·6	016·4	015·8	015·9	015·7	014·9	014·6	014·5	014·6	014·7	014·7	014·4	014·0	014·1	016·5
13	013·6	013·6	014·0	014·3	014·7	015·2	015·8	016·3	016·9	017·1	017·9	018·4	018·8	019·6	019·6	019·9	020·1	020·5	020·8	021·3	021·6	021·5	021·7	021·7	018·0
14	021·7	021·6	021·7	021·6	021·7	021·9	022·0	022·2	022·2	022·7	023·0	023·2	023·3	023·6	023·4	023·4	023·7	023·5	023·9	024·4	024·7	024·8	025·0	025·1	023·1
15	025·1	025·0	024·9	025·0	025·0	025·3	025·6	026·1	026·4	026·6	026·8	026·6	026·8	026·4	026·5	026·5	026·6	026·7	026·6	026·6	026·7	026·7	026·4	026·4	**026·1**
16	026·3	025·8	025·2	024·9	024·6	024·4	024·4	023·9	023·6	022·8	022·6	021·7	021·3	020·2	019·5	018·4	017·8	016·2	015·7	014·4	013·5	012·3	010·7	009·5	020·3
17	008·4	008·0	007·6	007·3	006·8	006·3	006·4	006·4	006·4	006·2	006·4	006·5	006·2	006·4	006·4	006·2	005·9	005·8	005·7	005·8	006·0	005·6	005·7	005·5	006·5
18	005·3	005·1	004·9	004·8	004·0	005·1	005·8	006·3	007·0	007·4	007·9	008·7	009·5	009·9	010·7	011·3	011·9	012·2	012·9	013·4	014·1	014·3	014·4	014·3	009·1
19	014·2	014·4	014·9	014·2	014·4	014·3	014·6	014·8	015·1	014·8	014·3	014·7	014·4	014·1	013·7	013·2	012·7	011·7	011·1	010·4	010·4	010·5	010·3	010·0	013·4
20	009·7	009·5	009·1	008·6	008·8	008·7	009·2	008·9	008·8	008·0	007·8	006·9	005·3	003·8	002·9	001·9	001·0	000·0	000·9	998·5	997·6	996·4	994·9	993·3	004·5
21	994·4	994·7	995·8	996·3	997·0	998·2	999·1	999·8	000·4	000·8	000·8	001·0	000·9	001·0	001·1	000·8	000·6	000·8	000·9	001·7	002·0	002·5	003·0	003·3	999·7
22	003·4	003·7	004·1	004·4	004·9	005·5	006·2	006·8	007·8	008·2	008·8	009·2	009·5	009·7	010·1	010·1	010·2	010·1	010·1	010·0	010·1	009·7	009·3	008·2	007·8
23	007·0	005·8	004·9	001·5	999·2	996·0	994·0	992·7	992·7	993·5	993·7	993·8	993·7	993·0	992·7	992·4	991·9	991·5	991·3	991·0	991·1	991·0	992·0	993·7	995·4
24	995·0	994·4	997·0	998·5	000·0	001·5	002·0	004·9	006·7	008·0	008·7	009·0	011·5	012·8	013·6	014·6	015·5	016·0	016·4	016·8	017·0	016·4	016·1	016·0	008·4
25	015·5	015·1	014·3	013·6	012·4	011·0	009·5	009·1	008·6	007·4	006·4	005·8	005·5	005·1	005·0	004·6	004·7	004·7	004·0	003·9	003·8	003·8	003·1	002·9	007·8
26	002·5	001·7	001·3	000·7	000·2	000·1	999·8	999·6	999·5	999·5	999·2	999·0	999·0	998·9	999·2	999·2	999·4	999·4	999·7	999·8	999·9	000·2	000·1	999·7	000·0
27	999·7	999·5	999·5	998·9	998·7	998·5	998·6	998·3	998·5	998·5	998·2	998·7	999·5	000·1	001·0	002·0	002·8	003·7	004·5	005·4	006·0	006·2	007·0	007·4	001·1
28	007·8	008·0	008·2	008·2	008·4	008·9	009·0	009·5	010·2	010·4	010·6	010·9	011·0	011·0	011·0	011·2	010·8	010·2	010·3	010·0	009·4	008·3	006·9	006·2	009·5
29	004·4	002·3	000·8	997·8	995·9	995·0	994·2	994·1	993·9	994·2	995·2	998·0	999·5	001·4	003·5	004·9	006·3	007·4	008·5	009·6	010·0	011·3	011·8	012·2	001·8
30	012·3	012·2	012·4	012·5	012·5	012·8	013·2	013·5	013·8	013·8	013·9	014·0	014·0	014·1	014·0	013·8	013·8	013·7	013·6	013·8	014·0	014·0	013·7	013·4	013·4
31	013·2	013·1	012·9	012·6	012·6	012·7	012·9	013·1	013·4	013·5	013·6	013·7	013·7	013·8	013·8	013·9	014·0	014·3	014·4	014·6	015·3	015·4	015·6	015·8	013·8
Mean (Station level)	1010 ·70	1010 ·38	1010 ·10	1009 ·82	1009 ·62	**1009** ·60	1009 ·66	1009 ·83	1010 ·17	1010 ·32	1010 ·60	1010 ·90	1011 ·16	1011 ·41	1011 ·59	1011 ·62	1011 ·69	1011 ·68	1011 ·75	1011 ·87	**1011** ·99	1011 ·86	1011 ·67	1011 ·46	1010 ·80
Mean (Sea level)	1012 ·36	1012 ·04	1011 ·76	1011 ·48	1011 ·28	**1011** ·26	1011 ·32	1011 ·48	1011 ·82	1012 ·97	1012 ·25	1012 ·54	1012 ·80	1013 ·05	1013 ·23	1013 ·27	1013 ·34	1013 ·33	1013 ·40	1013 ·52	**1013** ·64	1013 ·51	1013 ·33	1013 ·12	1012 ·54
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15	16	17	18	19	20	21	22	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

293. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **September, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
1	mb. 015·9	mb. 015·8	mb. 015·6	mb. 015·5	mb. 015·7	mb. 016·0	mb. 016·8	mb. 017·3	mb. 017·6	mb. 017·9	mb. 018·4	mb. 018·8	mb. 019·2	mb. 019·7	mb. 019·9	mb. 020·0	mb. 020·5	mb. 020·9	mb. 021·3	mb. 021·9	mb. 022·6	mb. 022·8	mb. 022·9	mb. 023·4	mb. 018·9
2	023·6	023·7	023·8	023·9	024·3	024·7	025·2	025·6	026·2	026·3	026·6	026·7	027·1	027·2	026·9	026·9	026·9	027·0	027·1	027·6	027·9	027·5	027·4	027·1	026·1
3	026·5	026·1	025·6	025·6	025·0	024·5	024·3	024·1	024·0	023·7	022·8	022·6	022·0	021·6	020·7	019·9	019·2	018·8	018·6	018·7	018·6	018·0	017·8	018·0	022·1
4	019·4	019·9	020·6	021·3	021·8	022·8	023·4	024·1	025·5	025·5	026·2	026·4	026·9	027·1	027·3	027·4	027·5	027·5	027·6	027·8	028·2	028·2	028·2	028·2	025·2
5	028·0	028·0	027·8	027·8	027·6	027·8	027·9	028·3	028·8	028·9	028·9	029·4	029·4	029·0	028·9	028·9	028·5	028·5	028·7	028·7	028·8	028·7	028·7	028·5	**028·5**
6	028·2	027·8	027·6	026·9	026·5	026·4	026·4	026·3	026·3	026·0	025·9	025·4	024·8	024·4	024·2	023·9	023·9	024·0	024·0	024·3	024·4	024·3	023·8	023·6	025·5
7	023·6	023·7	023·8	023·8	024·0	024·5	025·3	025·6	026·5	026·9	027·3	027·6	027·8	027·9	028·0	027·8	028·1	028·0	028·4	028·6	029·0	028·7	028·5	028·3	026·6
8	027·6	027·0	026·5	026·1	025·8	025·8	025·6	025·7	025·4	025·2	024·9	024·8	024·4	024·2	023·3	022·7	021·9	021·5	021·0	021·0	021·0	020·6	020·3	019·8	024·0
9	019·0	018·3	017·4	016·6	016·5	016·5	016·7	016·6	016·5	016·7	016·7	016·5	016·4	016·4	016·5	016·2	016·5	016·7	016·7	017·4	017·7	018·0	018·1	018·2	017·1
10	018·5	018·5	018·2	018·4	018·4	018·9	019·4	019·9	020·3	020·8	020·7	020·7	020·5	020·4	020·1	019·9	020·1	020·3	020·5	021·0	021·2	021·2	021·2	020·9	019·9
11	020·7	020·2	019·8	019·3	019·2	018·8	018·7	018·5	018·3	018·2	017·7	017·4	016·9	016·7	015·9	015·5	015·0	014·7	014·4	014·5	014·1	013·7	013·2	012·8	016·2
12	012·0	011·6	011·2	010·8	010·7	010·6	010·8	011·2	011·3	011·2	010·9	010·9	011·1	010·8	010·6	010·6	010·6	010·1	010·0	010·0	009·8	009·1	008·8	008·0	010·6
13	007·4	006·6	005·5	004·9	003·8	003·3	002·3	001·4	000·8	000·0	999·7	999·4	999·0	998·5	998·9	999·0	999·5	999·7	999·9	000·3	000·4	000·1	000·4	000·2	001·5
14	000·0	999·7	999·3	999·2	999·1	999·4	999·7	999·8	000·4	000·5	000·6	000·9	000·9	000·9	001·0	001·1	001·4	001·8	002·1	003·0	003·0	003·0	003·0	003·1	000·9
15	003·1	003·1	003·2	003·2	003·4	004·1	005·0	005·3	005·9	006·4	007·1	007·3	007·5	007·6	007·9	008·0	008·4	009·1	009·2	010·0	010·4	010·9	011·5	011·6	006·9
16	011·6	011·6	012·0	012·4	012·8	013·2	013·9	014·3	014·5	014·6	014·8	014·7	014·7	014·6	014·3	014·1	013·2	012·6	012·1	011·9	010·9	010·0	008·9	007·3	012·8
17	005·8	004·1	002·2	999·3	997·3	995·0	992·6	990·9	991·2	990·6	990·9	991·6	990·0	991·1	991·0	991·1	991·5	992·2	992·7	993·3	993·7	994·0	994·4	994·7	**994·5**
18	995·2	995·5	996·0	996·4	996·7	997·3	998·2	998·8	999·5	000·5	001·2	002·1	003·0	003·7	004·6	004·9	005·4	005·9	006·5	007·3	007·9	008·3	008·4	008·5	001·9
19	008·5	008·4	008·2	008·4	008·3	008·2	008·7	008·9	009·0	009·0	008·9	009·3	009·4	009·3	009·1	009·1	009·2	009·2	009·4	009·9	010·2	010·3	010·4	010·7	009·1
20	010·9	010·9	011·1	011·1	011·1	011·6	012·0	012·7	013·4	013·4	013·6	012·9	013·2	012·9	011·5	009·5	007·4	005·9	005·0	005·1	004·9	004·7	004·9	005·0	009·9
21	005·6	005·6	005·6	005·4	005·7	006·3	006·6	007·4	007·9	008·3	008·4	008·4	008·5	008·3	008·0	007·6	007·2	007·0	006·6	006·5	005·8	005·0	004·4	004·2	006·7
22	003·8	002·9	002·1	001·8	000·9	000·7	000·6	000·3	000·1	999·9	999·2	998·6	997·7	997·3	996·5	995·6	994·7	994·3	993·6	992·4	991·5	990·8	990·2	989·6	997·6
23	990·0	990·6	991·8	993·4	994·6	996·3	997·3	998·1	998·9	000·9	000·9	001·8	002·6	003·1	003·7	004·4	004·8	005·2	006·0	006·2	006·6	006·6	006·9	006·8	000·3
24	006·7	006·5	005·5	004·4	003·3	003·1	002·5	001·4	000·4	999·4	997·7	996·1	993·4	991·5	989·4	986·8	987·5	987·7	987·5	987·6	987·1	986·4	985·9	985·6	995·6
25	985·9	986·2	986·4	987·2	988·3	989·7	991·4	992·2	993·0	994·2	995·9	997·3	998·6	000·0	001·3	003·0	004·4	005·8	006·9	008·2	008·9	009·6	010·0	011·2	997·6
26	011·8	012·4	012·7	013·1	013·5	014·3	014·7	015·0	015·5	015·5	015·8	015·7	015·8	016·0	016·6	016·3	016·2	016·4	016·3	016·5	016·3	015·9	015·7	015·3	015·1
27	014·8	014·4	013·9	013·9	013·9	013·9	013·8	014·1	014·0	014·2	014·4	014·5	014·4	014·5	014·4	014·3	013·9	014·1	014·2	014·7	014·9	015·6	016·1	016·9	014·5
28	017·9	018·6	018·8	019·7	020·1	020·5	021·1	021·8	022·5	022·7	022·7	023·3	023·1	023·1	022·9	022·7	022·7	022·8	023·1	023·5	024·2	024·3	024·4	024·5	022·0
29	024·7	024·8	024·8	024·8	025·0	025·3	025·9	026·1	026·2	026·0	026·2	026·3	026·2	025·6	025·5	025·5	025·2	025·0	025·0	024·9	024·7	024·4	024·1	023·9	025·3
30	022·9	022·4	021·8	021·7	021·4	021·0	020·6	020·6	020·5	020·4	020·8	019·1	020·2	019·8	019·4	019·6	019·6	019·4	019·4	019·3	019·3	019·4	019·3	019·4	020·4
Mean (Station level)	1012 ·99	1012 ·83	1012 ·63	1012 ·54	**1012 ·49**	1012 ·68	1012 ·91	1013 ·08	1013 ·35	1013 ·43	1013 ·53	**1013 ·55**	1013 ·49	1013 ·44	1013 ·28	1013 ·08	1013 ·03	1013 ·07	1013 ·13	1013 ·40	1013 ·47	1013 ·34	1013 ·26	1013 ·18	1013 ·11
Mean (Sea level)	1014 ·66	1014 ·50	1014 ·30	1014 ·21	**1014 ·16**	1014 ·35	1014 ·58	1014 ·74	1015 ·01	1015 ·09	1015 ·19	**1015 ·21**	1015 ·14	1015 ·09	1014 ·93	1014 ·74	1014 ·69	1014 ·73	1014 ·79	1015 ·06	1015 ·13	1015 ·00	1014 ·92	1014 ·84	1014 ·77

294. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **October, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
1	mb. 019·1	mb. 018·9	mb. 018·9	mb. 019·3	mb. 019·7	mb. 020·2	mb. 020·9	mb. 021·3	mb. 022·1	mb. 022·4	mb. 022·5	mb. 022·9	mb. 023·0	mb. 023·1	mb. 023·0	mb. 023·1	mb. 023·1	mb. 023·1	mb. 023·3	mb. 022·9	mb. 022·8	mb. 022·5	mb. 022·1	mb. 021·6	mb. 021·7
2	020·7	019·7	018·7	018·3	018·1	018·8	019·4	020·1	020·7	021·0	021·4	021·3	021·5	021·6	021·3	021·1	020·9	020·7	020·1	019·5	018·8	017·4	015·5	012·4	019·7
3	009·5	007·5	006·7	007·0	009·0	011·0	012·4	013·5	015·3	015·9	016·3	017·2	017·9	018·4	019·1	019·4	019·8	020·3	020·8	021·4	021·9	022·4	022·7	022·9	016·0
4	023·2	023·5	023·5	023·6	023·6	023·9	024·1	024·2	024·5	024·4	024·3	024·1	023·7	022·9	022·4	021·8	020·9	020·4	020·2	019·6	019·0	017·6	017·2	015·7	**022·2**
5	014·8	013·4	012·5	011·9	011·0	010·3	010·6	010·9	011·3	011·5	011·6	011·8	011·7	011·8	012·1	012·2	012·5	012·9	013·5	013·7	013·9	014·2	014·2	014·2	012·5
6	014·3	014·2	013·9	013·6	013·8	013·7	013·8	013·9	014·3	014·4	014·6	014·9	015·1	015·1	015·3	015·1	015·4	015·6	015·8	015·8	015·9	015·7	015·4	015·5	014·8
7	015·0	014·8	014·4	014·0	013·3	012·8	012·1	011·6	011·5	011·3	011·2	010·9	010·7	010·2	009·9	009·5	009·6	009·8	010·1	010·5	010·6	011·0	011·4	011·5	011·7
8	012·0	011·9	011·7	012·0	012·2	012·2	012·3	012·7	012·0	011·9	011·1	010·3	009·1	007·8	007·1	006·6	006·3	005·8	005·6	005·4	005·3	005·4	005·4	004·9	009·2
9	005·7	006·2	007·2	008·0	008·9	009·4	010·4	011·3	012·1	013·2	013·6	014·2	014·8	015·1	015·4	015·4	015·6	015·7	015·8	015·8	015·5	015·7	015·3	015·1	012·5
10	014·7	013·8	013·2	012·5	012·4	011·7	010·8	010·5	009·8	008·9	008·4	008·8	009·0	009·6	010·7	010·6	010·5	010·7	011·0	010·8	011·2	011·0	011·5	011·5	011·1
11	011·9	011·6	011·7	011·6	011·8	011·6	011·7	012·1	012·2	012·0	011·7	011·5	011·0	010·5	010·0	009·3	009·0	008·8	008·1	007·2	006·5	005·8	004·9	003·9	010·0
12	002·4	001·3	000·0	999·0	998·3	997·5	997·0	996·8	997·2	997·4	998·1	998·4	998·2	998·2	998·4	998·4	998·3	998·6	998·6	998·6	998·6	998·5	998·5	998·7	998·7
13	999·0	999·0	999·3	999·6	999·9	000·3	000·7	001·4	002·1	002·6	003·0	003·3	003·6	003·6	003·9	004·1	004·2	004·5	004·7	004·8	005·0	005·3	005·4	005·6	002·6
14	005·5	005·7	005·9	006·1	006·3	006·5	006·9	007·5	008·1	008·5	009·1	009·6	009·8	010·0	010·3	010·4	010·7	011·2	011·7	012·1	012·5	013·0	013·4	013·3	009·2
15	013·6	013·6	013·5	013·7	013·8	013·8	014·1	014·8	015·0	015·2	015·3	015·3	015·2	014·9	014·9	014·8	015·0	015·1	015·3	015·6	015·6	015·6	015·7	015·7	014·7
16	015·6	015·7	015·3	015·4	015·5	015·6	015·8	016·5	017·1	017·4	018·0	018·3	018·3	018·4	018·5	018·8	019·0	019·4	020·1	020·4	020·6	020·8	021·0	021·2	017·9
17	021·2	021·3	021·1	021·0	021·2	021·3	021·5	022·0	022·3	022·3	021·9	021·7	021·4	021·0	020·6	020·3	019·8	019·7	019·4	018·9	018·3	018·1	017·4	016·2	020·5
18	015·1	014·2	013·1	011·9	011·0	009·8	009·1	008·5	007·6	006·9	006·3	005·8	004·9	004·0	003·3	002·1	001·2	999·9	998·3	996·8	994·3	991·8	989·8	987·6	004·5
19	991·7	993·8	995·8	997·1	998·5	999·6	000·8	002·0	003·1	003·5	003·9	003·9	003·9	004·0	004·0	003·9	003·9	003·9	003·9	003·5	003·5	003·4	002·9	002·2	001·7	001·2
20	001·0	000·3	999·3	998·2	997·3	996·5	995·9	995·2	994·3	992·8	992·0	990·6	988·8	987·2	985·3	983·2	981·1	981·7	980·7	979·1	978·8	979·3	979·4	979·9	989·5
21	980·9	981·9	982·6	983·7	984·8	985·6	986·1	986·6	987·1	987·2	987·3	987·5	987·4	987·5	987·6	987·7	987·9	988·0	988·4	988·5	988·7	989·0	988·8	988·9	986·5
22	989·2	988·9	988·8	988·8	988·9	989·8	990·4	991·4	992·3	992·5	992·7	992·9	992·7	992·6	992·2	992·0	991·7	991·6	991·0	990·1	989·2	988·3	987·0	985·6	990·5
23	983·6	981·1	978·6	975·7	975·1	975·6	975·8	976·4	977·0	977·2	977·2	977·1	976·8	976·5	976·1	975·6	975·8	975·5	975·2	975·1	975·1	974·8	974·5	974·6	976·7
24	974·4	974·6	974·6	974·6	974·3	974·2	974·2	974·3	975·3	974·8	974·6	974·5	974·6	974·7	974·7	974·8	975·3	976·0	976·7	976·9	977·7	978·0	978·9	979·8	975·4
25	980·3	980·8	981·4	981·7	982·8	983·9	984·4	985·3	986·1	986·9	987·4	987·8	987·9	988·2	988·4	988·2	988·0	987·7	987·6	987·2	986·6	986·2	985·6	985·0	985·5
26	984·5	983·4	982·7	982·2	982·3	983·3	984·5	985·6	986·5	986·3	986·6	985·9	984·4	982·7	980·0	976·5	973·6	970·9	970·1	970·9	970·4	970·2	970·2	970·1	979·6
27	969·7	968·9	968·2	967·5	966·8	965·0	963·8	962·4	961·8	962·0	962·6	964·2	965·8	967·3	968·4	968·8	969·0	970·3	973·7	976·6	978·7	980·2	980·9	982·2	**969·1**
28	983·9	985·1	986·5	988·2	989·8	991·4	992·8	994·4	995·9	996·7	997·9	998·8	999·4	000·0	000·8	001·5	002·3	003·0	003·8	003·9	004·3	004·3	004·0	003·9	996·7
29	003·6	002·9	002·4	001·6	001·1	000·1	999·7	999·6	999·6	999·2	999·6	999·5	999·6	999·5	999·7	999·8	999·9	999·9	999·8	999·3	999·1	998·1	997·4	997·3	000·1
30	997·2	998·3	998·8	999·1	999·8	000·4	001·3	002·4	003·6	004·0	004·6	005·3	005·8	006·2	006·7	007·3	007·9	008·7	009·7	010·7	011·2	011·9	012·7	013·3	005·0
31	013·9	014·6	014·9	015·5	016·1	016·7	017·4	018·1	019·3	019·7	020·2	020·1	020·1	020·2	020·5	020·7	020·9	021·2	021·6	021·7	021·9	021·8	021·4	021·2	019·0
Mean (Station level)	1002 ·81	1002 ·61	1002 ·43	**1002 ·33**	1002 ·50	1002 ·66	1002 ·93	1003 ·33	1003 ·78	1003 ·87	1004 ·03	**1004 ·14**	1004 ·07	1003 ·96	1003 ·89	1003 ·65	1003 ·52	1003 ·57	1003 ·70	1003 ·66	1003 ·60	1003 ·44	1003 ·22	1002 ·95	1003 ·36
Mean (Sea level)	1004 ·46	1004 ·26	1004 ·08	**1003 ·98**	1004 ·15	1004 ·31	1004 ·58	1004 ·98	1005 ·43	1005 ·52	1005 ·68	**1005 ·79**	1005 ·72	1005 ·61	1005 ·54	1005 ·30	1005 ·17	1005 ·22	1005 ·35	1005 ·31	1005 ·25	1005 ·09	1004 ·87	1004 ·60	1005 ·01
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

295. Cahirciveen (Valencia Observatory) : H_b (height of barometer cistern above M.S.L.) = 13·7 metres. **November, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	021·4	021·1	020·8	020·4	020·1	019·8	019·6	019·5	019·4	018·8	018·4	017·5	016·5	016·4	017·0	017·4	017·7	018·2	018·6	018·9	019·2	019·7	019·7	020·1	019·0
2	020·3	020·4	020·2	020·4	020·5	020·1	019·9	019·8	019·6	018·4	017·5	017·1	016·1	015·5	015·7	015·6	015·7	015·6	015·6	015·7	015·8	015·4	014·8	014·6	017·6
3	013·8	013·5	012·5	012·0	011·5	010·8	010·2	009·8	009·6	009·9	010·6	010·7	010·7	011·1	011·2	011·7	011·9	012·4	013·0	013·2	013·5	013·8	013·6	013·8	011·9
4	013·9	013·8	013·6	013·5	013·6	013·7	013·7	013·9	014·2	013·9	013·9	013·5	013·0	012·6	012·4	011·7	011·4	011·0	010·7	010·5	010·1	009·1	008·2	007·4	012·4
5	006·0	005·3	004·7	004·0	003·2	002·6	002·3	002·3	002·4	002·3	002·4	002·1	001·6	001·6	001·5	001·7	001·9	002·1	002·7	002·9	003·5	003·7	003·9	004·1	003·0
6	004·6	005·2	005·6	006·6	007·5	008·3	009·2	010·7	012·2	012·8	013·9	014·4	014·8	015·1	015·8	016·0	016·4	017·6	017·4	017·3	017·5	017·3	016·7	016·4	012·6
7	016·1	015·9	015·6	015·3	015·3	015·5	015·6	015·7	015·7	015·0	014·5	013·3	012·2	011·1	009·6	008·1	007·4	007·2	007·0	006·8	007·0	007·2	007·7	008·1	012·0
8	008·4	008·4	008·7	008·7	008·7	008·8	009·0	008·7	009·1	008·3	007·8	006·9	005·9	005·5	005·2	004·9	004·9	005·3	005·4	006·1	006·6	006·7	006·7	006·7	007·2
9	006·8	006·9	006·8	006·3	006·1	005·6	005·5	005·9	006·4	006·9	007·3	007·9	008·4	008·8	009·4	009·7	010·8	012·7	013·5	014·3	014·5	015·5	017·0	019·1	009·4
10	019·4	021·3	022·7	023·2	024·2	025·4	026·9	028·2	028·6	028·7	029·2	029·5	029·9	029·8	029·7	029·6	030·0	030·3	030·4	030·8	030·8	030·7	030·6	030·6	**027·7**
11	030·1	029·9	029·6	029·1	029·0	028·6	028·2	028·1	028·1	027·7	027·7	026·9	026·0	024·9	024·1	023·8	023·0	022·6	022·2	021·8	021·8	020·8	019·8	019·2	025·8
12	018·7	018·0	017·6	016·7	016·0	015·5	014·7	014·5	013·7	013·2	012·6	011·8	010·8	010·0	009·4	008·6	008·0	007·6	006·8	006·0	005·2	003·7	002·8	001·7	011·3
13	000·1	998·9	997·9	996·7	996·0	994·8	993·7	992·6	991·7	990·7	989·3	988·0	986·5	984·9	983·8	982·8	982·5	982·3	982·6	983·0	984·2	985·1	986·7	988·4	989·6
14	989·3	989·9	990·4	991·5	992·0	993·5	993·9	995·0	995·9	996·7	996·9	997·3	997·4	998·0	998·3	998·4	998·6	998·6	998·8	998·1	998·0	997·1	995·8	993·8	995·4
15	991·3	987·9	984·1	980·8	979·7	979·8	980·3	980·7	980·8	979·7	980·0	979·9	980·2	981·2	982·9	984·8	986·5	988·4	989·9	991·1	991·9	993·3	993·9	995·3	**985·2**
16	996·1	996·3	996·8	997·2	997·6	998·1	999·1	999·6	000·4	000·8	001·0	001·1	000·4	999·6	998·3	996·7	996·5	996·0	995·4	995·7	995·6	995·5	996·1	996·8	997·7
17	996·5	996·8	997·4	997·8	999·6	000·9	002·4	003·5	004·5	006·2	007·2	007·8	007·0	007·6	008·1	008·5	008·5	008·6	008·8	008·3	008·2	007·8	007·6	008·0	004·7
18	007·5	007·4	008·1	009·2	009·5	009·9	010·0	010·1	010·1	010·0	009·9	009·4	009·5	008·5	008·9	008·9	009·1	009·4	009·9	010·1	010·3	010·4	010·4	010·3	009·4
19	010·3	010·2	010·3	010·2	010·1	010·2	010·3	011·1	011·7	012·0	012·2	012·7	012·2	012·1	012·2	012·6	012·8	013·2	013·5	013·9	014·0	014·0	013·8	013·6	012·0
20	013·1	012·8	012·4	012·1	011·9	011·3	011·0	010·9	010·8	010·4	010·0	009·4	008·7	008·7	008·7	008·9	008·5	008·8	008·4	008·4	008·5	008·3	007·9	007·8	010·0
21	007·8	007·5	007·3	007·2	007·1	007·3	007·6	007·9	008·0	008·2	008·2	007·6	007·5	007·1	006·8	006·9	007·0	007·2	007·2	007·2	007·3	007·5	007·6	007·6	007·4
22	007·8	007·9	008·0	008·3	008·6	008·9	009·1	009·8	010·4	010·5	010·6	010·5	010·2	010·2	010·3	010·4	010·5	010·8	010·9	010·9	011·0	011·1	011·1	010·8	009·9
23	010·9	010·8	010·9	010·9	010·9	011·1	011·5	011·9	012·8	012·9	013·3	013·6	013·6	013·6	013·9	014·4	014·9	015·5	016·0	016·4	017·1	017·6	018·1	018·7	013·6
24	018·9	019·1	019·6	019·9	020·0	020·4	020·8	021·5	022·2	022·4	022·8	022·9	022·7	022·6	022·6	022·7	022·8	023·1	023·1	023·2	023·2	023·1	023·1	023·0	021·8
25	022·6	022·2	021·8	021·3	021·0	020·5	020·3	019·7	019·6	018·9	018·8	017·9	016·8	015·9	015·0	014·1	013·3	012·7	011·8	011·0	010·5	009·4	009·1	008·2	016·7
26	007·7	007·2	006·5	005·7	005·0	004·4	004·0	003·8	003·7	003·6	003·4	002·7	002·7	002·3	002·0	001·9	002·0	002·1	002·1	002·1	002·0	001·9	002·0	001·9	003·6
27	001·9	001·7	001·4	001·1	001·0	000·8	000·7	000·8	001·3	001·5	002·4	002·2	002·0	001·8	002·0	002·2	002·4	002·9	003·2	003·4	003·7	004·2	004·4	004·6	002·2
28	004·1	004·0	003·9	003·6	003·6	003·4	003·3	003·4	003·6	003·6	003·6	002·9	002·4	001·9	001·9	002·1	002·4	003·2	003·7	003·8	004·2	004·5	005·0	005·3	003·5
29	005·4	005·4	006·2	006·4	006·6	007·2	008·0	008·6	009·3	009·8	010·5	010·6	010·8	011·3	011·9	012·6	013·3	014·2	014·8	015·7	016·6	017·4	017·8	018·2	010·9
30	019·0	019·1	019·3	019·3	019·5	019·5	019·7	020·0	020·1	019·5	019·2	018·3	017·3	016·3	015·7	014·7	013·8	013·3	011·9	011·0	010·8	010·4	010·6	010·8	016·4
Mean (Station level)	1009 ·68	1009 ·49	1009 ·36	1009 ·18	1009 ·18	1009 ·22	1009 ·35	1009 ·60	**1009 ·86**	1009 ·78	1009 ·84	1009 ·55	1009 ·13	1008 ·87	1008 ·81	**1008 ·75**	1008 ·82	1009 ·10	1009 ·18	1009 ·25	1009 ·42	1009 ·41	1009 ·42	1009 ·50	1009 ·33
Mean (Sea level)	1011 ·36	1011 ·17	1011 ·04	1010 ·86	1010 ·86	1010 ·90	1011 ·03	1011 ·28	**1011 ·54**	1011 ·45	1011 ·51	1011 ·22	1010 ·80	1010 ·54	1010 ·48	**1010 ·42**	1010 ·49	1010 ·77	1010 ·85	1010 ·93	1011 ·10	1011 ·09	1011 ·10	1011 ·18	1011 ·00

296. Cahirciveen (Valencia Observatory) : H_b = 13·7 metres. **December, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	010·7	010·6	010·1	010·0	009·5	009·3	009·0	008·7	008·8	008·0	007·1	006·2	004·7	003·1	001·9	000·3	998·7	995·7	992·9	991·9	994·1	994·1	993·9	994·2	003·4
2	994·2	994·4	994·3	994·1	993·7	993·5	993·5	994·3	994·4	995·1	995·4	996·2	996·7	997·0	997·4	998·4	999·9	000·3	000·6	001·1	001·4	001·2	001·3	001·2	996·9
3	000·8	000·9	001·0	000·9	001·2	001·9	002·9	003·9	005·3	005·7	005·6	005·0	005·0	004·5	004·2	003·3	002·2	000·4	998·9	996·9	994·9	993·0	992·8	992·7	001·2
4	992·0	991·6	991·2	990·1	989·6	988·9	988·2	987·7	986·6	986·2	985·0	983·5	982·9	981·8	980·8	980·4	979·7	979·9	980·2	980·2	980·4	981·2	982·3	983·5	**984·9**
5	984·7	986·0	988·2	990·0	992·2	994·0	995·4	996·7	998·4	999·8	001·2	002·9	004·0	005·1	006·3	007·6	009·0	010·5	011·7	012·7	013·9	014·6	015·1	015·8	001·7
6	016·3	016·5	016·6	016·7	016·9	017·2	016·9	017·0	017·3	017·1	016·5	015·8	015·0	013·3	012·4	011·4	009·9	008·5	007·0	005·8	004·6	003·1	001·4	999·9	012·5
7	998·2	996·1	994·6	992·7	991·5	990·5	990·4	990·1	989·9	989·3	989·7	989·2	988·8	988·0	987·3	986·4	985·8	985·2	985·9	987·6	989·6	991·1	992·1	993·0	990·3
8	994·2	994·8	995·3	995·7	996·7	997·6	998·5	999·2	000·5	001·0	002·2	002·5	002·9	003·3	004·4	004·9	006·0	006·9	007·6	008·3	009·1	009·3	009·9	010·7	002·2
9	011·3	011·5	012·5	012·7	013·1	014·0	014·7	015·2	016·1	016·2	017·0	016·6	016·5	016·3	016·3	016·2	016·2	016·4	016·7	017·0	017·0	017·1	017·2	015·3	
10	017·2	016·9	017·0	017·1	017·0	017·0	017·2	017·5	018·1	018·3	018·8	018·8	018·5	018·2	018·1	018·1	018·2	018·5	018·5	018·6	018·7	018·6	018·3	018·2	018·0
11	018·1	018·2	018·3	018·2	017·6	017·2	017·3	017·4	017·4	017·3	017·4	017·1	016·3	016·1	016·1	016·1	016·1	016·0	015·8	015·3	015·3	015·4	015·6	015·3	017·6
12	015·0	014·5	014·0	013·5	013·3	013·2	013·5	013·6	014·0	014·7	015·0	015·0	014·7	014·6	014·5	014·9	015·5	015·8	016·6	018·2	019·6	020·5	020·5	022·4	015·6
13	023·6	023·8	025·0	025·9	026·6	027·4	028·5	029·4	030·6	030·9	031·2	031·6	031·9	032·1	032·2	032·5	032·6	032·8	033·1	033·2	033·5	033·2	033·1	033·0	030·1
14	032·8	032·3	032·0	032·0	031·4	031·7	031·6	031·6	031·4	031·0	031·1	030·2	029·8	029·3	028·3	028·2	028·1	027·9	028·7	029·1	029·8	029·9	030·7	030·9	030·5
15	031·0	031·2	031·5	031·6	031·1	031·8	032·1	032·5	033·3	033·4	033·7	033·9	033·5	033·1	032·6	032·8	032·6	032·8	032·6	032·3	032·4	032·2	031·8	032·4	
16	031·7	031·4	031·0	030·3	029·9	029·5	029·4	029·2	029·3	029·6	029·8	029·6	029·3	028·9	028·5	028·4	028·2	027·8	027·6	027·3	027·0	026·8	026·7	026·2	029·0
17	026·1	025·7	025·4	025·3	025·0	025·0	025·6	025·7	026·3	026·6	026·8	026·7	026·1	026·1	026·0	026·2	026·3	026·6	026·7	027·2	027·4	027·5	027·6	027·7	026·3
18	027·5	027·3	027·6	027·6	027·7	027·7	028·2	028·6	029·2	029·5	030·2	030·0	029·9	029·8	029·9	030·0	030·3	030·7	030·9	031·0	031·5	031·8	031·5	031·8	029·5
19	031·7	031·6	031·7	031·6	031·6	031·6	031·6	032·0	032·9	033·1	033·6	033·7	033·6	033·4	033·4	033·9	034·7	035·3	035·8	036·0	036·4	036·9	037·4	038·0	033·7
20	038·5	038·4	038·7	038·8	039·0	039·0	039·0	039·5	040·5	040·3	040·6	040·4	040·3	040·2	039·8	039·8	039·9	039·9	040·0	039·9	039·8	039·2	038·5	038·2	**039·5**
21	037·4	036·8	035·7	034·9	033·9	033·2	032·3	031·3	030·3	029·3	029·2	028·3	027·4	026·3	025·3	024·2	023·8	023·6	023·5	023·6	023·5	023·6	023·2	022·7	028·8
22	022·5	022·1	022·0	021·6	020·8	020·1	020·2	019·8	019·4	019·0	018·8	018·2	017·6	016·6	016·2	015·6	015·6	015·2	015·1	014·7	014·4	013·4	012·9	012·4	017·9
23	012·3	012·4	012·6	013·5	013·8	014·8	015·4	016·1	016·8	017·5	018·0	018·4	018·5	018·8	019·0	019·1	019·6	019·7	019·7	019·4	019·0	018·5	017·7	017·0	016·9
24	015·7	014·7	014·2	013·9	013·2	012·8	012·4	012·0	011·4	011·0	010·5	010·0	009·6	009·9	010·1	010·9	012·1	013·4	014·1	015·1	015·9	016·5	017·0	017·2	013·1
25	017·0	017·0	016·9	016·2	015·4	014·8	013·8	013·3	012·7	011·9	010·8	009·2	008·0	006·8	006·2	005·8	005·4	005·5	005·5	005·7	005·9	006·2	006·0	006·3	010·3
26	006·5	007·0	006·8	006·9	007·3	007·5	007·9	008·2	008·9	008·7	008·7	008·3	007·4	006·7	005·7	005·0	004·7	005·1	005·2	005·0	006·5	006·9	007·6	007·9	006·9
27	008·5	008·8	008·8	008·8	009·4	009·2	009·7	009·4	009·1	008·6	007·5	006·5	004·6	003·8	002·1	000·6	998·8	997·4	994·7	993·1	991·9	992·7	993·8	995·8	003·3
28	997·2	001·3	004·9	008·2	011·0	012·8	014·4	016·1	017·0	018·2	019·3	020·1	020·9	021·4	022·4	022·9	023·6	024·0	024·9	025·4	026·2	026·3	026·8	026·8	017·4
29	027·0	026·8	026·6	026·5	026·3	026·1	026·0	025·5	025·8	025·4	025·2	024·9	024·4	024·1	024·0	023·7	023·9	023·6	023·3	022·8	022·1	020·8	020·0	019·1	024·5
30	017·0	015·9	016·1	015·7	015·9	016·0	016·6	017·3	017·8	018·5	019·3	019·8	020·2	020·8	021·5	022·3	023·1	023·8	024·2	025·1	025·2	025·7	025·6	026·3	020·3
31	026·8	027·1	026·9	027·2	027·1	027·3	027·4	027·9	028·5	028·6	028·6	028·5	028·4	028·3	028·4	028·5	028·7	029·2	029·3	029·5	029·6	029·6	029·6	029·8	028·3
Mean (Station level)	1015 ·60	1015 ·60	1015 ·73	1015 ·75	1015 ·78	1015 ·80	1016 ·12	1016 ·35	1016 ·71	1016 ·77	**1016 ·90**	1016 ·68	1016 ·37	1016 ·05	1015 ·85	1015 ·75	1015 ·78	1015 ·75	1015 ·73	1015 ·81	1016 ·02	1016 ·03	1016 ·07	1016 ·23	1016 ·07
Mean (Sea level)	1017 ·29	1017 ·29	1017 ·42	1017 ·44	1017 ·47	1017 ·58	1017 ·82	1018 ·05	1018 ·41	1018 ·47	**1018 ·59**	1018 ·37	1018 ·06	1017 ·74	1017 ·54	1017 ·44	1017 ·47	1017 ·44	1017 ·42	017 ·50	1017 ·71	1017 ·72	1017 ·76	1017 ·92	1017 ·76
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1001·7 mb. is written 001·7. This rule does not, however, apply to monthly means.

PRESSURE AT STATION LEVEL AND AT SEA LEVEL.
ANNUAL MEANS OF HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

297. Cahirciveen (Valencia Observatory) : $H_b = 13{\cdot}7$ metres. **1923.**

M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
ation evel	011·77	011·57	011·40	011·26	**011·21**	011·32	011·48	011·68	011·95	011·98	012·09	012·06	011·95	011·84	011·76	011·67	011·68	011·76	011·86	011·99	**012·15**	012·11	012·04	011·98	011·78
n evel	013·45	013·25	013·08	012·94	**012·89**	013·00	013·16	013·36	013·52	013·65	013·76	013·73	013·62	013·51	013·43	013·34	013·35	013·43	013·53	013·66	**013·83**	013·79	013·72	013·66	013·45

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

298. Cahirciveen (Valencia Observatory) : $H_b = 13{\cdot}7$ metres. **1923.**

nth.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
an.	1023·09	−0·26	−0·26	−0·31	−0·33	**−0·44**	−0·44	−0·35	0·00	+0·52	+0·61	**+0·80**	+0·51	+0·12	−0·16	−0·17	−0·19	−0·11	+0·03	+0·08	+0·18	+0·18	+0·05	−0·03	−0·06
eb.	**993·95**	+0·65	+0·28	+0·01	−0·55	**−0·84**	−0·81	−0·81	−0·71	−0·49	−0·39	−0·10	−0·04	−0·23	−0·35	−0·44	−0·19	−0·03	+0·26	+0·59	+0·74	+0·77	+0·92	**+0·94**	+0·85
ar.	1013·65	+0·10	−0·12	−0·34	−0·45	−0·46	−0·29	−0·07	+0·24	**+0·54**	+0·45	+0·44	+0·30	+0·12	−0·22	−0·41	**−0·53**	−0·45	−0·21	−0·06	+0·19	+0·32	+0·31	+0·25	+0·20
pr.	1003·83	−0·10	−0·25	**−0·41**	−0·36	−0·36	−0·14	+0·08	+0·24	**+0·42**	+0·36	+0·35	+0·33	+0·24	+0·20	+0·10	−0·16	−0·21	−0·20	−0·14	−0·03	+0·17	+0·02	−0·07	−0·08
ay	1015·88	+0·08	−0·11	−0·29	−0·41	**−0·45**	−0·29	−0·09	0·00	+0·20	+0·17	+0·27	+0·26	+0·27	+0·16	+0·05	−0·16	−0·29	−0·35	−0·26	−0·06	+0·35	**+0·37**	+0·32	+0·29
ne	**1023·98**	+0·03	−0·18	−0·43	**−0·60**	−0·54	−0·43	−0·25	−0·07	+0·05	+0·07	+0·11	+0·20	+0·25	+0·23	+0·23	+0·06	−0·05	−0·06	−0·05	+0·11	+0·38	**+0·40**	+0·34	+0·23
ly	1014·17	+0·37	+0·03	−0·29	−0·42	**−0·49**	−0·43	−0·35	−0·26	−0·23	−0·24	−0·18	−0·13	−0·12	−0·08	−0·10	−0·07	−0·05	0·00	+0·15	+0·30	+0·62	**+0·71**	+0·68	+0·56
ug.	1010·89	+0·05	−0·29	−0·59	−0·90	−1·11	**−1·16**	−1·12	−0·96	−0·65	−0·52	−0·26	+0·02	+0·25	+0·49	+0·64	+0·65	+0·70	+0·67	+0·73	+0·81	**+0·92**	+0·77	+0·56	+0·32
pt.	1013·11	−0·09	−0·25	−0·46	−0·55	**−0·60**	−0·42	−0·19	−0·03	+0·23	+0·31	+0·40	**+0·42**	+0·35	+0·30	+0·13	−0·07	−0·12	−0·09	−0·04	+0·23	+0·29	+0·16	+0·08	−0·01
ct.	1003·36	−0·52	−0·73	−0·91	**−1·01**	−0·85	−0·68	−0·42	−0·02	+0·43	+0·52	+0·67	**+0·78**	+0·71	+0·59	+0·52	+0·28	+0·15	+0·19	+0·32	+0·28	+0·22	+0·06	−0·17	−0·44
ov.	1009·33	+0·19	+0·02	−0·10	−0·26	−0·25	−0·19	−0·05	+0·21	+0·49	+0·42	**+0·49**	+0·22	−0·19	−0·43	−0·48	**−0·52**	−0·44	−0·15	−0·05	+0·04	+0·22	+0·22	+0·25	+0·34
ec.	1016·07	−0·16	−0·19	−0·09	−0·09	−0·08	0·00	+0·20	+0·41	+0·75	+0·78	**+0·88**	+0·64	+0·30	−0·04	−0·27	−0·39	−0·39	−0·44	**−0·49**	−0·43	−0·26	−0·27	−0·25	−0·12
ear	1011·78	+0·03	−0·18	−0·35	−0·49	**−0·54**	−0·44	−0·28	−0·08	+0·19	+0·21	+0·32	+0·29	+0·17	+0·06	−0·02	−0·11	−0·11	−0·03	+0·07	+0·20	**+0·35**	+0·31	+0·24	+0·17

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and minimum for the interval 0 h. to 24 h., Greenwich Mean Time.

299. Cahirciveen (Valencia Observatory) : $H_b = 13{\cdot}7$ metres. **1923.**

nth	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
ay.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	006·4	002·2	018·8	010·1	997·7	**980·6**	018·0	013·9	019·6	010·2	024·4	019·7	022·7	017·9	006·6	999·7	023·4	015·5	023·3	018·8	021·2	015·9	010·8	991·0
2	002·5	**993·0**	012·7	010·8	989·5	986·9	020·1	017·9	020·2	017·4	027·3	024·4	018·1	008·2	009·7	**977·9**	027·9	023·4	021·6	012·4	020·6	014·6	001·6	993·4
3	017·0	997·2	016·3	011·7	017·2	988·5	019·3	005·1	018·6	017·2	026·4	021·8	010·3	007·0	022·8	009·7	027·1	017·7	022·9	006·2	014·6	009·6	006·0	992·4
4	021·6	009·1	**019·5**	011·6	021·9	013·9	007·3	005·4	017·2	012·9	021·9	019·1	014·7	009·7	022·5	010·4	028·3	018·0	**024·5**	015·7	014·3	007·4	992·8	**979·7**
5	013·9	000·2	011·6	985·3	018·4	011·6	011·0	007·1	012·9	008·2	023·0	021·1	017·9	014·6	015·2	008·4	**029·4**	027·6	015·7	010·2	007·4	001·3	015·8	983·5
6	018·5	012·3	985·3	980·7	014·7	005·9	009·9	991·7	019·8	009·5	023·3	022·1	017·4	012·4	014·3	009·9	028·5	023·6	015·9	013·5	017·6	004·1	017·3	999·9
7	013·7	008·4	980·7	954·1	018·0	009·3	001·9	991·9	022·1	019·7	023·1	013·9	015·8	012·7	013·2	007·6	029·0	023·6	015·5	009·5	016·6	006·8	999·9	985·0
8	020·6	008·5	991·7	969·1	020·4	017·9	005·0	001·9	021·6	017·7	013·9	006·6	015·8	009·6	012·5	010·2	028·3	019·8	012·7	005·1	009·1	004·6	010·7	993·0
9	011·8	008·7	993·0	978·1	020·0	011·8	002·0	998·0	019·7	014·9	010·0	**005·7**	012·8	008·4	021·5	012·3	019·8	016·2	015·9	005·4	019·1	005·3	017·2	010·7
10	015·9	009·7	993·0	980·9	011·8	998·5	000·9	996·0	019·9	007·3	025·7	009·9	020·3	012·5	024·4	021·2	021·2	018·1	015·1	008·2	**030·9**	019·1	018·9	016·7
11	020·6	015·6	008·7	993·0	012·2	005·9	996·9	996·1	008·1	004·6	036·1	025·7	024·0	020·3	024·3	020·0	020·9	012·8	012·2	003·9	030·6	019·2	018·3	015·2
12	025·9	020·3	012·2	008·7	017·9	004·4	996·2	987·2	008·9	005·3	**036·2**	028·4	024·7	023·2	020·0	013·9	012·8	008·0	003·9	996·7	019·2	001·7	022·4	013·2
13	026·0	024·1	018·3	010·6	**027·0**	017·9	987·2	**982·2**	011·4	004·9	028·4	025·7	023·8	020·1	021·8	013·5	008·0	998·4	005·8	998·7	001·7	982·1	033·5	022·4
14	032·1	023·4	018·5	005·0	026·8	023·2	988·2	984·3	011·5	**002·1**	028·0	023·6	020·8	015·8	025·1	021·5	003·1	999·1	013·4	005·3	998·9	988·4	033·0	027·8
15	033·7	032·0	005·0	994·9	023·7	021·0	002·5	984·5	009·6	**002·1**	020·5	018·9	015·8	008·8	**026·9**	024·9	011·6	003·1	015·7	013·3	995·3	**978·9**	033·9	030·8
16	032·2	025·9	001·8	992·6	021·2	019·0	009·4	002·5	017·3	008·7	025·4	020·5	011·4	010·0	026·4	009·5	014·9	007·3	021·2	015·2	001·2	995·1	031·8	026·2
17	034·3	025·8	003·0	985·1	023·8	020·0	008·7	002·2	021·5	016·8	026·0	024·7	013·2	008·6	009·5	005·5	007·3	990·0	022·3	016·2	008·9	996·1	027·7	024·9
18	**038·6**	034·3	999·1	982·0	024·9	022·7	002·2	000·2	022·5	020·6	024·8	022·7	019·0	013·2	014·5	004·8	008·3	994·7	016·2	987·1	010·4	007·2	031·8	027·3
19	038·3	028·0	003·3	999·1	022·7	016·9	000·4	996·2	020·7	010·6	026·9	023·5	021·4	016·7	015·2	010·0	010·7	008·1	004·2	987·6	014·1	010·1	038·0	031·4
20	034·8	028·2	003·8	986·5	019·4	016·3	008·2	999·7	011·3	006·2	030·2	026·5	024·6	020·9	010·0	993·3	013·8	004·2	001·7	978·4	013·6	007·7	**040·6**	038·0
21	034·3	031·8	987·1	984·6	020·9	018·3	009·7	006·9	015·2	011·3	030·2	028·6	**028·1**	024·3	003·3	992·9	008·6	004·2	989·0	979·9	008·2	006·8	038·2	022·6
22	034·8	032·3	986·4	981·0	018·4	011·9	013·0	006·2	015·2	013·1	030·8	029·2	027·9	019·8	010·2	003·3	004·2	989·6	992·9	985·6	011·2	007·6	022·7	012·4
23	036·9	034·7	985·2	972·0	012·4	010·6	020·2	012·9	025·2	013·2	030·6	029·5	019·8	014·3	008·2	990·9	007·0	989·7	985·6	974·5	018·7	010·8	019·8	012·2
24	037·5	034·1	993·9	973·0	012·6	005·2	**020·4**	999·6	**027·4**	021·3	029·6	027·1	015·2	012·5	017·3	993·7	006·8	**985·5**	979·8	973·8	023·2	018·7	017·2	009·4
25	038·2	036·8	996·8	977·9	017·6	002·9	999·6	991·6	021·3	018·9	027·1	024·0	014·9	010·1	016·0	002·9	011·2	985·6	988·4	979·8	023·0	008·2	017·4	005·3
26	037·3	033·2	977·9	**949·7**	016·5	003·2	009·5	991·9	020·6	019·0	024·4	022·5	018·5	014·8	002·9	999·0	016·6	011·2	986·9	969·8	008·2	001·8	009·1	004·7
27	033·2	029·6	990·3	966·0	008·0	001·9	012·9	009·4	022·1	019·2	025·3	023·8	017·3	005·8	007·4	998·0	016·9	013·6	982·2	**961·8**	004·6	000·6	009·7	991·9
28	030·4	026·0	997·7	986·3	021·9	008·0	012·7	008·4	025·4	021·7	025·8	024·6	006·8	003·6	011·2	006·2	024·5	016·9	004·3	982·2	005·3	001·8	026·9	995·8
29	026·0	020·5	...	...	021·5	016·4	008·7	007·0	025·6	022·3	025·8	024·7	006·7	002·3	012·2	991·8	026·3	023·7	003·9	997·3	018·2	005·1	027·1	019·1
30	022·9	021·0	...	...	020·1	016·8	010·2	005·8	022·8	017·3	024·9	022·1	004·1	995·8	014·2	012·2	023·9	018·7	023·3	997·1	020·1	010·3	026·3	015·3
31	021·8	016·9	...	...	018·8	011·6	...	...	021·2	018·4	...	...	000·2	**992·2**	015·8	012·4	...	...	021·9	013·3	...	...	029·8	026·3
ean	1026 ·18	1020 ·12	1000 ·41	987 ·16	1017 ·35	1009 ·65	1007 ·07	1000 ·12	1018 ·59	1013 ·31	1025 ·87	1022 ·02	1016 ·90	1011 ·81	1015 ·33	1006 ·05	1017 ·34	1008 ·93	1008 ·32	997 ·58	1013 ·53	1004 ·90	1020 ·85	1010 ·24

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1012·3 mb. is written 012·3. This rule, however, does not apply to monthly means.

Readings in degrees absolute, at exact hours, Greenwich Mean Time.

300. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

January, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	76·0	75·7	75·9	75·9	76·5	77·2	78·0	78·5	78·3	78·6	79·3	79·6	80·1	81·3	82·2	84·0	84·0	84·1	84·2	84·3	84·5	84·2	84·4	84·2	80·3
2	84·2	84·2	84·3	84·4	84·5	83·5	83·2	82·8	82·8	82·9	83·3	83·3	82·5	82·7	82·5	82·5	82·4	82·3	82·5	82·1	82·3	81·6	80·6	81·2	82·9
3	81·9	81·4	81·6	81·7	81·8	81·3	81·8	81·9	81·3	81·6	81·2	81·7	82·1	81·7	81·6	81·6	81·7	81·5	81·6	81·8	81·7	81·5	81·5	81·4	81·6
4	81·1	80·8	80·6	80·5	81·2	81·0	81·1	80·4	80·8	80·7	81·3	81·6	81·9	82·1	82·0	81·8	81·5	81·5	81·4	81·7	82·0	82·1	82·3	82·5	81·4
5	82·7	82·9	83·3	83·5	81·6	81·4	81·7	81·0	81·4	80·5	80·5	80·5	79·9	80·2	80·1	79·6	79·6	80·0	79·5	79·0	79·1	79·1	79·4	79·6	80·7
6	80·0	79·4	79·8	80·4	79·9	80·6	80·5	80·2	80·6	80·4	80·9	81·3	81·5	81·3	81·4	81·4	81·4	81·8	82·4	83·0	83·4	83·4	83·5	83·5	81·3
7	83·6	83·6	83·5	83·6	83·6	83·6	83·8	83·7	83·7	83·6	83·5	83·5	83·5	83·5	83·5	83·5	83·4	83·5	83·7	83·8	84·0	83·8	83·7	84·3	83·6
8	83·2	82·7	82·5	82·4	82·4	81·8	81·5	81·7	81·4	81·7	82·0	82·1	81·7	81·6	81·5	81·4	81·1	81·5	81·7	81·9	82·2	82·1	82·4	81·4	82·0
9	81·7	80·8	80·6	80·1	79·9	80·1	79·7	79·9	79·1	79·4	79·6	79·0	78·3	78·3	77·7	78·5	79·1	78·5	79·1	79·3	78·7	78·0	79·6	79·8	79·4
10	80·1	79·5	79·6	79·9	80·1	79·6	79·1	79·2	79·2	79·3	78·8	79·6	80·4	79·1	78·7	79·1	77·9	78·6	78·7	78·4	77·4	78·7	78·3	79·2	79·1
11	79·1	78·9	79·0	79·3	79·1	77·3	77·7	79·1	78·8	79·4	79·9	80·3	80·2	79·7	79·4	79·4	78·9	79·1	78·2	77·9	76·8	76·6	75·9	74·9	78·6
12	74·3	74·8	75·1	74·6	74·4	74·5	73·9	74·6	74·0	74·3	75·4	76·5	77·6	78·6	78·9	79·0	78·7	78·1	78·2	78·1	78·0	78·3	78·9	78·9	**78·5**
13	78·7	79·1	79·2	79·5	79·6	79·9	79·9	80·1	80·2	80·6	81·3	81·6	81·9	82·4	82·1	82·4	82·5	82·6	82·2	82·3	82·1	82·2	82·3	82·5	81·1
14	82·5	82·5	82·4	82·5	82·6	82·7	82·9	82·9	82·3	82·2	82·1	82·1	82·1	82·0	81·9	81·5	80·6	79·9	80·7	80·8	80·6	80·4	80·3	80·0	81·7
15	80·0	80·1	80·0	79·9	79·7	79·7	79·4	79·5	79·9	80·5	80·9	80·5	80·9	82·5	82·9	82·5	82·4	82·2	81·6	81·5	81·5	81·8	81·5	81·7	80·9
16	81·4	81·0	80·7	81·1	81·3	81·0	81·2	81·4	81·5	81·6	81·7	81·7	81·9	81·8	81·8	81·7	81·6	81·5	81·4	81·4	81·1	80·8	80·6	80·7	81·3
17	80·9	80·9	81·0	80·7	80·9	80·9	80·9	80·9	81·0	80·9	81·7	82·1	82·3	82·4	82·4	82·3	82·0	81·8	81·7	81·5	81·0	80·3	79·9	79·6	81·3
18	79·1	78·7	78·4	77·9	77·1	76·9	75·6	75·2	76·5	76·5	78·4	79·4	81·3	81·5	81·4	81·4	80·7	81·3	81·4	81·3	81·3	81·3	81·2	81·4	79·3
19	81·4	81·3	81·4	81·4	81·8	81·8	81·8	81·8	81·9	82·4	82·5	82·8	83·2	83·4	83·7	83·3	82·9	82·9	82·9	83·1	83·1	83·3	83·1	82·7	82·5
20	82·3	82·4	82·0	81·5	80·5	80·9	80·8	80·5	80·7	80·3	81·0	81·4	81·2	81·4	81·2	80·7	80·5	80·6	80·3	80·2	79·9	80·0	79·4	79·5	80·9
21	79·3	80·5	80·8	81·4	81·4	81·2	81·3	81·7	82·2	82·5	83·1	83·2	83·3	83·4	83·2	82·9	82·5	82·5	82·6	82·6	82·2	82·3	82·4	82·5	82·1
22	82·5	82·5	82·3	82·3	82·5	82·6	82·5	81·8	81·6	81·6	81·7	82·3	82·9	83·0	82·9	82·6	82·5	82·3	82·4	82·5	82·5	82·4	81·4	80·6	82·3
23	79·1	79·1	78·3	78·0	77·5	77·5	77·9	78·3	79·0	80·0	80·5	81·4	82·2	82·3	82·4	82·2	82·1	81·6	81·2	81·1	81·9	81·7	81·8	81·7	80·3
24	82·0	81·9	82·1	81·8	82·0	81·6	81·4	80·9	81·1	82·0	82·4	82·6	83·2	83·3	83·1	82·6	82·4	82·3	82·3	82·1	82·0	81·9	81·6	81·6	82·1
25	81·6	81·5	81·4	81·5	81·4	81·0	80·3	80·8	80·7	81·3	81·4	82·0	82·2	82·4	82·2	82·1	81·6	81·5	81·4	81·5	81·7	81·7	81·5	81·5	81·5
26	81·6	81·5	81·7	81·5	81·6	81·6	81·7	81·5	81·5	81·6	81·7	82·1	82·4	82·3	82·3	82·2	81·8	81·7	81·5	81·5	81·5	81·5	81·6	81·6	81·7
27	81·6	81·7	81·8	81·5	81·5	81·9	81·9	81·9	82·2	82·3	82·4	82·5	82·3	81·9	82·0	82·2	81·9	81·6	81·7	81·7	81·5	81·5	80·6	80·4	81·8
28	80·2	79·5	79·5	79·4	79·7	79·8	80·4	80·7	80·9	81·5	81·5	82·4	82·3	82·7	82·8	82·5	82·5	82·5	82·6	82·6	82·6	82·7	82·7	82·7	81·5
29	82·8	82·8	82·7	82·7	82·9	82·8	82·8	82·8	83·1	83·2	83·3	83·5	83·5	83·5	83·5	83·6	83·5	83·5	83·5	83·7	83·6	83·6	83·5	83·6	83·2
30	83·6	83·5	83·5	83·5	83·5	83·5	83·5	83·4	83·4	83·5	83·5	84·3	83·9	83·7	83·6	83·5	83·5	83·6	83·9	83·7	83·7	83·6	83·5	83·3	83·6
31	83·1	83·1	83·4	83·4	83·5	84·1	84·0	83·9	84·1	84·2	84·2	84·2	84·3	84·3	84·4	84·5	84·6	84·5	84·9	85·1	85·0	85·0	85·0	84·7	**84·2**
Mean ...	81·0	80·9	80·9	80·9	80·8	80·8	**80·7**	80·7	80·8	81·0	81·3	81·6	81·8	**81·9**	81·9	81·9	81·7	81·6	81·7	81·7	81·6	81·5	81·4	81·4	81·3

301. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

February, 1923.

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	84·8	84·6	84·5	84·5	84·5	84·6	84·7	84·9	84·9	84·9	84·8	84·8	84·7	84·7	84·8	84·9	85·0	85·3	85·4	85·3	85·3	85·3	85·0	84·9	**84·9**
2	84·6	84·5	84·5	84·4	84·4	84·4	84·4	84·4	84·3	84·3	84·5	84·5	84·5	84·9	84·9	84·8	84·6	84·4	84·4	84·4	84·1	83·5	82·8	82·8	84·3
3	82·5	82·5	82·7	82·6	83·0	82·4	82·0	82·5	82·3	82·8	83·4	83·9	84·1	82·5	83·1	82·6	82·3	82·2	81·9	81·7	82·0	82·2	81·9	81·5	82·6
4	81·7	81·8	81·6	81·5	81·1	81·4	80·9	80·9	80·5	80·1	81·3	82·2	82·3	82·4	82·6	81·8	81·7	81·7	80·9	81·5	81·4	81·4	81·4	81·6	81·5
5	81·8	81·7	81·8	81·9	82·2	82·4	82·5	82·1	81·9	82·3	82·5	82·7	82·7	82·7	82·7	82·8	82·9	82·9	83·0	83·0	83·0	83·0	83·0	83·1	82·5
6	83·2	82·8	80·9	81·0	80·4	80·6	80·0	80·5	79·3	79·5	80·1	80·6	80·7	80·5	79·7	78·7	77·8	77·3	77·7	77·6	76·9	78·1	78·5	79·5	79·7
7	80·1	80·5	80·4	80·1	81·7	81·3	81·4	80·9	79·7	80·0	80·3	80·5	80·4	80·2	78·4	78·4	78·8	78·7	76·5	77·8	77·4	77·1	77·1	77·2	79·4
8	77·9	77·5	77·3	76·9	76·9	76·5	76·6	77·3	78·1	79·7	79·5	79·3	80·4	79·0	78·6	80·3	80·5	80·4	80·1	80·1	80·4	79·8	79·5	78·5	78·8
9	79·3	78·6	78·7	78·3	79·3	80·3	80·8	81·4	81·7	82·3	81·9	81·8	81·9	82·5	83·1	83·5	83·2	83·2	82·7	82·8	82·7	82·6	81·4	82·5	81·4
10	81·9	82·1	82·3	82·2	82·1	81·3	81·8	81·7	81·6	82·0	82·5	82·9	83·3	83·1	83·1	83·1	82·1	80·8	80·2	80·4	79·0	79·9	79·4	79·7	81·7
11	80·1	80·3	80·7	81·4	81·5	81·3	81·5	81·1	80·6	81·3	81·7	82·3	82·2	82·3	82·3	81·5	80·9	80·9	81·4	80·6	80·3	80·3	79·9	80 1	81·1
12	79·9	80·4	79·6	80·7	81·3	80·9	81·1	81·3	81·5	81·6	82·3	83·1	82·5	83·4	83·6	83·5	83·4	83·1	83·3	83·3	83·4	83·5	83·4	83·4	82·2
13	83·3	83·4	83·5	83·5	83·5	83·3	83·1	83·0	83·0	83·4	83·4	83·5	83·7	83·4	83·9	83·5	82·2	81·3	81·0	80·5	80·5	79·8	79·9	79·5	78·5
14	77·7	77·4	76·6	76·4	76·4	75·5	75·1	74·9	75·1	76·4	78·7	81·0	81·6	82·0	82·0	82·0	81·9	81·7	81·6	81·7	81·7	81·2	81·9	82·6	79·2
15	82·6	82·6	82·6	82·2	82·4	82·5	82·9	82·6	82·5	81·4	81·4	81·4	81·5	81·7	81·9	81·7	81·3	80·4	79·6	79·6	79·8	79·4	79·6	79·2	81·4
16	79·1	80·1	81·3	81·5	81·7	81·7	81·7	81·8	82·0	82·2	81·9	81·6	81·4	80·4	80·1	80·4	81·4	81·8	81·7	81·6	81·1	80·9	80·8	80·8	81·2
17	81·0	80·8	80·5	80·4	79·5	78·9	80·8	81·1	81·3	81·5	81·9	82·3	83·1	83·4	83·9	83·8	83·8	83·6	83·9	83·9	83·7	83·2	83·2	83·3	82·1
18	83·1	81·2	80·5	80·6	79·7	80·6	80·8	79·9	80·3	81·4	82·3	81·8	80·8	80·6	81·3	81·4	81·5	81·0	80·5	80·5	79·8	79·9	79·6	79·6	80·9
19	79·3	79·7	80·0	79·3	78·1	79·5	78·7	77·0	78·1	77·9	79·3	79·8	80·1	80·5	80·6	80·8	80·3	80·0	78·9	78·6	78·0	77·5	77·3	76·9	79·1
20	76·5	76·1	75·5	74·9	74·5	74·8	74·2	74·5	78·2	78·7	79·5	80·1	80·3	80·2	80·1	79·2	78·5	78·3	78·3	79·1	80·6	80·4	80·3	79·2	78·0
21	78·7	78·7	78·2	78·2	78·2	78·3	77·6	77·9	78·0	78·5	76·9	78·1	80·3	80·0	79·9	79·1	78·9	78·9	79·3	79·7	79·2	79·2	78·7	78·1	78·7
22	77·8	77·3	77·3	76·5	78·6	79·0	77·5	77·4	76·5	76·5	76·7	77·3	78·1	78·7	78·5	78·9	79·1	78·1	76·8	75·8	75·1	75·5	77·9	78·5	**77·5**
23	78·8	79·5	79·5	78·9	79·1	78·7	78·7	78·8	79·6	80·2	81·3	81·9	81·9	82·3	81·7	81·6	81·9	81·8	81·6	81·6	81·6	81·5	81·6	81·5	80·6
24	81·5	81·5	81·5	81·4	80·5	81·1	80·5	80·3	80·8	81·7	82·6	83·6	83·5	83·4	83·4	83·4	82·7	82·1	82·0	81·7	81·6	80·9	81·1	80·9	81·8
25	81·1	81·0	81·0	81·3	80·8	80·5	80·9	81·3	81·5	80·9	81·7	81·8	81·9	81·8	81·4	81·3	81·2	81·5	81·2	81·1	81·4	81·5	81·5	82·6	81·3
26	83·3	83·5	83·7	84·2	83·6	81·9	80·7	81·2	81·8	81·4	81·5	81·8	81·9	81·7	80·9	80·4	80·3	80·4	80·3	80·5	80·6	80·5	80·6	80·4	81·6
27	80·4	80·4	80·5	80·1	80·1	80·3	80·1	80·3	80·3	80·4	80·5	81·2	81·6	81·8	81·8	81·9	81·8	81·7	81·5	81·5	81·5	81·2	81·3	81·2	81·0
28	80·8	80·8	80·3	79·3	79·3	79·3	78·6	78·2	78·1	78·9	79·5	80·6	81·7	82·5	82·4	81·6	81·3	81·3	81·0	81·0	81·0	80·4	80·6	80·9	80·4
Mean ...	80·8	80·8	80·6	80·5	80·5	80·5	80·3	**80·3**	80·5	80·8	81·2	81·7	**81·9**	81·9	81·8	81·7	81·5	81·2	80·9	81·0	80·8	80·7	80·7	80·7	81·0
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute, at exact hours, Greenwich Mean Time.

302. Cahirciveen (Valencia Observatory) : North Wall Screen : h*t* (height of thermometer bulbs above ground) = 1·3 metres.

March, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	80·6	80·6	80·7	80·7	80·0	79·2	78·7	79·4	81·0	81·6	81·9	82·3	82·3	82·0	82·7	83·0	82·4	81·5	81·5	80·7	81·0	80·9	80·7	80·8	81·1
2	80·4	80·5	79·3	79·8	79·9	80·9	81·0	80·8	81·3	80·6	81·1	80·5	82·2	80·9	81·9	81·5	81·5	80·9	80·5	80·6	80·4	80·5	80·3	80·3	80·7
3	79·5	80·0	80·1	80·5	80·5	81·3	81·9	81·0	81·9	82·4	82·5	82·8	82·9	82·9	83·0	81·4	82·3	81·7	81·4	81·2	81·2	80·6	80·5	80·3	81·4
4	79·9	79·9	79·7	78·7	77·9	77·3	76·4	76·5	77·3	79·4	80·4	81·5	81·4	81·5	81·6	81·5	81·3	80·6	80·6	80·6	80·8	80·9	80·9	80·8	79·9
5	81·3	81·9	83·2	83·4	82·8	82·7	82·4	82·4	82·7	82·9	83·5	83·7	84·2	84·4	84·3	83·6	82·4	82·4	82·3	81·8	82·3	82·3	81·9	81·9	82·8
6	81·9	82·1	82·3	82·5	83·1	82·9	82·8	82·1	82·2	82·8	83·3	83·7	83·1	83·6	83·3	82·8	82·6	82·4	81·9	81·6	81·9	82·1	81·8	81·7	82·5
7	81·7	81·3	81·8	81·3	81·4	81·6	81·4	81·5	82·1	82·5	82·5	82·4	83·1	82·9	82·8	82·6	82·3	82·1	81·8	81·8	81·6	81·4	81·1	81·1	81·9
8	80·9	80·9	80·6	80·7	80·6	80·5	80·6	80·1	81·0	82·2	82·7	83·1	82·9	83·3	83·2	83·1	82·6	81·5	80·7	79·9	79·8	79·6	79·5	79·3	81·3
9	79·5	79·7	79·6	79·4	79·2	78·4	77·2	76·9	79·1	80·1	81·2	81·7	82·2	82·9	83·0	82·3	81·8	81·1	80·5	79·8	79·0	79·6	79·5	79·3	80·1
10	79·3	79·4	79·6	79·9	79·9	79·9	79·5	79·5	79·6	79·9	79·9	80·0	80·3	80·5	81·0	80·8	80·6	80·2	79·9	79·3	79·4	79·0	79·9	80·1	79·9
11	80·1	79·3	78·5	77·8	76·8	77·1	76·5	77·3	78·1	78·6	80·4	81·0	81·4	81·3	80·3	80·2	80·2	80·4	80·7	81·1	81·3	82·1	82·5	83·1	79·8
12	83·3	83·5	83·3	83·4	83·4	83·4	83·4	83·6	83·8	83·6	83·4	84·1	84·3	84·1	83·7	83·5	82·8	82·4	81·5	81·1	81·7	81·6	80·5	80·5	83·0
13	80·7	80·5	80·5	79·7	80·1	80·2	79·9	79·1	79·9	81·5	81·9	82·0	82·6	82·8	83·0	82·7	82·3	81·7	80·9	79·6	78·3	77·1	76·6	76·3	80·5
14	76·1	75·5	75·3	75·2	75·4	75·1	78·9	79·5	80·4	81·5	82·5	82·8	82·9	83·3	83·6	84·1	83·1	82·4	80·7	80·2	80·8	80·7	80·5	79·0	79·9
15	80·5	80·7	80·6	80·5	80·3	80·2	80·3	80·3	80·4	80·6	81·7	81·4	81·4	81·6	81·4	81·5	80·7	79·9	78·5	77·9	77·4	77·5	78·1	78·5	80·1
16	78·5	78·5	78·5	78·6	78·6	78·6	78·9	79·4	79·4	79·7	80·0	80·9	81·1	81·7	81·8	81·9	81·5	81·2	80·6	80·3	80·4	80·3	80·0	79·9	80·0
17	79·6	78·1	78·5	79·0	77·5	78·9	79·3	79·2	80·0	80·4	81·2	81·3	81·9	82·8	83·2	83·2	83·4	82·5	81·4	81·5	81·3	80·4	80·0	80·6	80·6
18	79·9	79·8	79·5	78·5	77·7	76·9	77·4	76·9	79·3	80·3	81·6	82·3	82·4	82·9	83·6	83·3	82·6	81·9	80·7	81·1	80·2	81·0	79·9	79·3	80·4
19	78·8	79·0	77·9	79·1	77·5	79·3	79·6	79·5	80·0	80·0	80·3	80·4	80·6	81·3	81·4	80·6	80·5	80·5	80·4	79·9	79·8	79·4	79·1	78·6	79·7
20	78·1	77·3	77·5	77·6	76·1	75·1	75·9	75·2	76·5	78·3	80·6	81·4	82·3	82·4	83·2	82·4	82·0	81·7	81·4	80·5	80·1	80·2	79·9	79·7	**79·4**
21	78·4	77·0	76·1	75·7	75·9	76·4	76·5	76·6	78·3	80·1	81·5	82·1	82·2	82·9	82·8	82·3	82·3	81·6	81·1	81·0	80·9	80·7	80·6	79·4	79·7
22	79·2	78·9	78·3	78·5	78·3	78·1	78·2	77·8	78·9	79·8	81·2	81·8	81·8	82·3	82·5	82·4	82·6	81·6	80·5	79·9	79·3	79·2	79·3	79·4	80·0
23	79·2	79·2	79·3	79·4	79·6	79·9	79·9	80·1	80·7	81·5	82·2	83·1	84·0	83·6	83·9	83·3	83·1	82·4	81·3	81·3	81·0	80·3	79·1	78·7	81·1
24	78·2	77·9	78·4	79·1	80·2	80·4	80·4	81·5	81·8	82·6	83·1	83·5	83·2	83·4	83·4	83·4	83·1	82·7	82·3	82·4	82·5	82·4	82·7	83·3	81·7
25	83·5	83·3	83·1	82·6	82·6	81·7	81·8	81·7	81·8	83·0	83·7	84·5	84·4	84·3	84·4	84·1	83·4	82·8	81·9	81·9	81·9	81·9	82·1	82·1	82·9
26	82·0	82·2	82·2	82·3	82·4	82·6	83·0	83·1	83·6	84·1	84·8	84·9	84·8	84·8	84·5	84·3	84·3	84·1	83·5	83·5	83·5	83·6	83·7	83·7	83·5
27	83·5	83·6	83·4	83·4	83·4	83·4	83·0	83·1	83·6	83·9	84·3	85·2	85·0	85·3	85·1	84·4	84·3	83·6	82·7	82·4	82·1	81·8	81·5	82·1	**83·5**
28	82·1	82·1	82·3	82·3	82·4	82·2	82·2	82·5	82·9	83·5	84·1	84·3	84·5	84·5	84·4	84·4	84·2	83·5	82·4	81·6	81·6	81·5	81·6	82·3	82·9
29	82·4	82·0	82·1	82·2	82·5	82·5	82·6	82·8	83·2	83·6	84·4	84·4	84·4	84·5	84·3	84·2	84·1	83·4	83·2	83·1	83·1	83·0	83·0	82·9	83·2
30	82·7	82·7	82·2	81·6	81·6	81·5	81·5	81·8	82·5	82·6	83·1	83·4	83·6	83·5	83·5	83·3	83·4	82·7	82·1	81·6	81·0	80·8	79·5	78·9	82·2
31	77·8	77·3	77·3	76·7	76·5	76·6	77·4	78·7	80·6	81·7	83·1	83·1	82·2	81·7	82·2	82·4	82·1	81·4	81·0	81·0	80·4	80·3	79·3	78·6	80·0
Mean ...	80·3	80·2	80·1	80·0	**79·8**	79·8	80·0	80·0	80·8	81·5	82·2	82·6	82·8	82·9	**83·0**	82·7	82·5	81·9	81·3	81·0	80·8	80·7	80·5	80·4	81·2

303. Cahirciveen (Valencia Observatory) : North Wall Screen : h*t* = 1·3 metres.

April, 1923.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	76·6	76·2	75·5	75·2	74·4	74·9	74·3	78·7	80·3	81·5	82·5	82·6	82·9	83·3	83·3	83·0	82·5	81·6	80·7	79·7	79·6	79·2	78·9	77·8	79·4
2	77·6	76·8	77·0	76·4	75·6	75·5	75·1	77·4	79·4	80·5	82·4	83·3	83·2	83·5	83·5	83·3	83·3	82·6	81·6	79·9	79·5	79·3	79·3	79·1	79·8
3	79·2	79·5	79·7	79·7	80·3	80·4	80·6	81·6	82·2	82·3	82·2	81·6	81·5	81·8	82·0	81·7	81·4	80·8	80·7	80·9	81·3	81·9	80·7	80·9	81·0
4	81·0	81·0	80·9	80·9	80·6	80·3	80·4	80·4	80·7	81·5	81·7	82·2	82·1	82·4	82·6	82·2	82·6	82·2	81·5	80·9	80·7	79·6	80·3	79·9	81·2
5	79·0	78·6	78·9	79·4	79·2	79·1	78·8	79·9	80·7	81·1	81·4	81·6	81·3	81·6	82·0	81·6	80·4	80·5	80·3	80·5	80·3	79·8	79·6	79·4	80·2
6	79·6	78·9	78·9	78·3	78·6	78·0	76·8	78·6	80·0	80·7	81·5	81·7	82·1	81·9	81·1	81·2	81·1	79·7	79·1	79·1	79·1	79·3	79·7	79·1	79·8
7	79·0	78·5	78·2	78·0	78·0	77·9	78·1	77·9	79·4	79·9	81·1	82·1	82·2	82·3	82·2	82·0	82·0	81·5	80·7	80·1	80·1	79·5	79·5	79·3	80·0
8	78·3	77·2	76·3	75·4	74·9	74·9	75·2	78·5	80·9	81·4	81·9	83·4	83·9	84·9	83·7	83·4	82·7	82·9	82·4	81·9	82·1	82·2	81·7	82·1	80·5
9	82·3	82·2	82·2	81·9	81·4	80·5	80·6	80·7	81·3	81·6	82·1	82·5	81·8	81·8	81·5	81·6	80·9	80·5	80·1	79·8	79·5	79·4	79·2	79·1	81·1
10	78·9	77·1	76·7	76·4	76·0	75·9	76·1	76·4	77·1	77·7	78·2	78·8	79·7	79·8	79·9	80·0	78·8	77·0	76·4	76·4	76·3	76·4	76·4	76·4	**77·5**
11	76·5	76·9	77·0	77·2	77·3	77·3	77·7	78·2	78·8	79·6	80·9	81·7	81·8	83·9	83·2	82·8	82·0	81·5	81·4	80·7	80·2	80·0	80·2	80·1	79·8
12	79·2	78·9	77·9	76·9	77·7	77·2	78·6	80·5	82·4	83·0	83·5	84·3	83·2	83·4	83·4	84·5	83·7	83·2	81·8	80·6	80·6	79·9	79·2	78·9	81·0
13	77·9	77·4	77·5	77·6	77·9	78·6	78·9	79·8	80·2	80·5	80·4	79·5	79·5	79·7	79·7	80·3	80·9	80·9	80·4	80·6	80·7	80·6	79·8	79·7	79·5
14	79·8	79·6	79·3	78·7	78·6	78·3	79·4	80·3	81·6	81·6	81·9	82·1	83·0	81·7	81·3	81·1	81·7	81·8	81·6	81·7	81·4	81·3	81·2	80·8	80·8
15	81·1	81·2	81·6	81·6	81·6	81·3	81·5	81·4	81·6	81·5	82·5	82·2	82·7	82·9	83·1	82·5	82·4	82·4	82·0	82·0	81·9	81·8	81·7	81·6	81·9
16	81·7	81·6	81·5	81·5	81·4	81·4	81·5	81·9	83·0	84·3	84·8	84·9	84·9	85·1	85·1	85·4	85·3	84·4	83·4	82·2	82·6	82·3	82·6	82·9	83·1
17	83·2	83·2	83·1	83·2	83·4	83·5	83·5	83·6	84·0	84·3	84·6	84·5	85·0	84·3	84·1	83·8	83·8	83·9	84·0	83·9	83·9	83·9	83·9	83·7	83·8
18	83·5	83·0	82·4	82·1	81·9	81·9	81·8	81·9	82·0	82·1	82·5	82·9	83·7	83·1	82·9	83·3	83·4	83·3	82·9	82·2	80·6	79·8	78·9	78·4	82·2
19	77·7	77·6	79·5	79·5	79·9	79·9	81·1	82·5	82·8	83·2	83·8	84·5	84·2	84·4	84·6	84·6	84·1	83·7	83·0	82·4	82·0	81·9	82·1	82·3	82·1
20	82·5	82·4	82·6	82·4	82·2	81·8	82·1	82·8	84·1	83·6	84·0	84·6	84·5	84·0	84·1	83·7	82·8	81·7	81·5	80·9	80·9	80·4	80·2	79·6	82·5
21	79·6	78·7	78·8	78·2	77·3	77·4	77·9	78·0	79·2	79·7	79·8	79·4	79·4	79·5	80·2	79·8	79·6	79·5	79·4	79·4	79·3	79·7	78·8	78·4	79·1
22	78·1	77·2	76·6	76·3	76·5	77·2	77·7	78·7	79·8	80·4	82·4	83·4	84·5	84·9	85·5	85·6	85·1	84·4	83·5	82·7	82·1	81·8	81·7	81·4	81·1
23	79·6	79·2	79·2	78·4	77·8	78·3	79·6	80·2	80·6	81·5	81·6	81·4	82·3	82·7	82·9	83·2	83·1	82·4	81·4	81·0	80·7	80·1	79·7	79·1	80·7
24	78·3	78·1	77·3	76·0	75·7	75·9	76·9	79·4	81·3	81·5	81·6	82·1	82·2	82·2	82·2	81·9	82·1	81·6	81·5	81·4	81·9	82·5	83·0	83·7	80·3
25	83·7	83·5	83·3	82·9	82·4	82·2	82·2	82·1	83·3	82·5	83·7	83·6	83·9	83·0	84·2	84·3	83·1	82·4	82·5	82·3	82·1	81·5	81·9	81·9	82·9
26	81·7	81·5	81·4	81·1	80·6	79·7	81·1	80·6	81·1	81·1	82·3	81·4	82·1	81·9	82·2	82·6	81·4	81·7	81·2	80·6	80·1	80·2	79·3	79·5	81·1
27	79·5	78·7	78·4	79·3	79·5	78·5	79·1	79·9	80·8	81·9	82·4	83·7	84·2	83·5	83·6	83·8	83·5	82·7	82·2	81·5	81·4	80·7	80·3	80·5	81·2
28	80·8	80 2	79·7	79·9	80·3	80·6	81·9	83·4	83·4	83·5	83·3	83·4	84·2	83·6	83·8	83·7	83·5	83·2	82·5	82·1	81·7	81·7	81·4	81·4	82·2
29	81·4	81·3	81·3	81·1	81·1	81·4	81·8	82·9	83·6	84·9	85·1	85·3	84·6	84·7	84·2	84·5	84·4	84·4	84·4	84·4	84·3	84·2	84·0	84·1	83·4
30	84·1	84·2	84·2	84·2	84·1	84·2	84·3	84·5	84·5	84·5	84·6	85·0	85·2	85·4	85·9	85·6	85·9	85·2	84·9	84·4	84·0	83·6	83·6	83·5	**84·6**
Mean ...	80·0	79·7	79·6	79·3	79·2	**79·1**	79·5	80·4	81·3	81·8	82·4	82·7	82·9	82·9	**82·9**	82·9	82·6	82·1	81·6	81·2	81·0	80·8	80·6	80·5	81·1
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute, at exact hours, Greenwich Mean Time.

304. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

May, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	83·3	83·0	82·8	82·6	82·9	83·3	83·7	84·4	85·2	86·3	86·4	86·9	87·2	87·1	87·3	86·9	87·2	86·5	85·4	84·4	83·7	83·3	82·7	82·5	84·8
2	82·3	82·4	82·7	82·9	83·0	82·8	84·6	84·7	85·3	87·0	87·6	88·4	89·1	89·4	89·5	89·6	90·3	89·8	88·6	87·6	87·0	86·2	85·6	85·5	**86·3**
3	85·2	84·6	85·2	84·9	84·7	84·4	84·3	84·4	85·2	86·4	86·9	86·6	86·4	86·6	87·4	87·4	86·9	85·9	85·5	85·2	84·5	84·4	84·5	84·5	85·5
4	84·4	84·3	84·2	84·2	84·2	84·1	84·5	85·4	85·4	85·6	86·3	86·5	87·5	87·3	86·9	86·6	86·2	85·7	85·4	84·9	84·6	84·5	84·5	84·5	85·3
5	84·3	84·2	84·2	84·1	83·8	83·1	84·2	85·1	85·7	85·9	85·1	85·5	86·7	87·5	87·5	87·2	86·4	86·3	85·4	84·5	83·4	83·6	83·7	83·4	85·1
6	83·2	83·1	82·9	82·5	82·4	82·5	82·8	82·8	82·5	82·1	81·9	82·5	83·1	83·4	83·5	83·5	83·4	83·1	82·7	82·4	81·8	81·5	80·7	79·6	82·6
7	79·0	78·8	78·2	77·8	77·2	78·2	81·6	82·4	82·8	82·8	83·0	83·5	83·4	83·5	83·5	83·5	84·1	83·3	83·1	82·4	81·5	80·7	80·3	80·5	81·4
8	80·7	81·4	82·1	82·2	82·2	82·3	82·3	82·9	83·2	83·7	84·3	84·4	84·3	84·7	84·7	84·6	85·2	84·3	83·4	82·9	82·3	82·0	83·1	82·9	83·1
9	82·9	82·8	82·5	82·3	82·4	81·9	81·9	82·5	82·3	81·3	81·9	80·6	79·6	80·3	81·9	82·0	82·6	81·7	81·4	80·3	80·4	79·9	80·3	80·1	81·5
10	79·9	80·0	78·9	79·7	79·6	79·5	80·6	80·9	82·0	82·7	82·6	83·4	82·8	84·0	83·1	82·6	82·4	82·6	82·7	82·6	82·4	82·5	80·9	81·2	81·6
11	81·4	81·4	80·7	79·6	79·7	80·4	80·8	81·1	81·6	80·6	81·6	80·4	80·9	79·2	80·0	80·6	81·1	79·8	79·6	79·5	78·9	78·4	78·4	78·5	80·2
12	78·8	78·2	77·7	77·8	77·9	79·0	78·4	79·9	78·3	80·4	80·8	80·9	79·6	80·8	79·6	80·3	78·6	79·6	79·5	79·9	79·3	78·8	78·2	78·0	**79·2**
13	77·8	78·1	78·3	77·9	79·1	79·6	78·6	79·7	80·5	81·6	81·7	80·8	82·2	82·4	82·6	80·4	81·3	81·3	81·3	81·0	80·8	80·6	80·2	80·5	80·3
14	80·5	79·9	80·4	80·5	80·4	80·8	81·4	80·5	80·6	81·0	80·9	80·5	81·1	81·2	81·1	80·9	80·8	80·8	80·1	80·7	80·0	79·9	79·9	80·2	80·6
15	79·7	79·8	79·8	80·3	80·5	80·4	80·5	81·5	82·0	82·4	81·3	82·8	82·9	83·1	83·2	83·5	82·6	82·3	81·8	81·4	80·5	80·3	80·4	80·8	81·4
16	80·8	80·7	80·5	80·0	80·7	81·2	81·5	81·8	82·2	82·5	82·6	82·4	82·7	82·6	83·4	83·0	82·5	82·5	82·4	81·7	80·8	80·6	81·2	81·3	81·7
17	81·4	81·5	81·4	80·4	80·2	80·7	81·3	81·6	82·2	82·4	83·3	83·9	84·3	85·2	85·1	85·4	84·4	83·9	83·3	83·1	83·1	82·7	82·7	82·7	82·7
18	82·6	81·7	81·9	81·7	81·7	81·9	82·8	82·8	83·2	83·7	83·6	84·2	83·9	84·5	84·1	83·0	83·4	83·9	83·1	82·9	81·8	82·3	81·9	82·1	82·9
19	82·2	82·3	82·3	82·4	82·0	81·8	81·9	82·9	82·3	83·2	84·1	85·1	85·0	84·6	83·8	83·9	83·2	83·3	83·2	82·8	82·3	82·4	82·1	82·4	83·0
20	82·3	82·4	82·6	82·8	83·2	83·4	83·4	83·6	83·9	84·5	84·7	85·0	85·2	85·3	84·8	84·9	84·4	84·3	84·0	83·5	83·3	83·0	82·7	82·5	83·7
21	82·8	82·8	82·7	82·7	83·1	83·2	83·5	84·5	85·6	85·8	85·7	85·1	86·5	86·2	85·4	84·6	84·5	84·6	84·4	84·3	84·0	84·0	83·9	83·8	84·3
22	83·8	83·7	83·8	83·9	83·9	83·9	84·2	84·5	84·8	84·9	85·1	86·1	86·4	87·3	86·4	85·5	85·6	85·3	84·9	82·9	82·8	83·0	82·9	82·6	84·5
23	82·6	82·3	82·0	82·0	81·6	81·5	81·4	81·5	82·0	82·8	83·1	83·8	84·1	84·4	84·4	84·6	85·2	83·9	82·7	82·3	81·9	82·0	81·2	81·1	82·7
24	80·1	79·3	78·4	79·0	77·4	78·2	80·6	82·4	82·3	83·0	83·6	84·2	83·7	83·3	84·5	84·2	83·9	83·6	83·4	83·0	82·8	82·9	83·1	83·2	82·0
25	82·7	82·7	82·7	82·5	82·5	82·4	82·8	82·9	82·6	82·7	82·7	83·4	83·6	83·5	83·3	83·6	82·9	82·9	82·2	81·6	81·1	81·0	80·7	80·1	82·5
26	79·8	79·6	79·6	80·2	80·3	80·2	80·4	81·6	81·9	82·2	82·7	82·2	82·8	83·0	83·0	83·3	82·2	82·4	81·3	81·0	81·3	80·7	80·5	80·3	81·3
27	80·5	80·5	80·1	80·4	80·5	80·1	80·9	81·5	81·8	81·7	82·1	82·9	83·5	84·2	83·9	84·4	85·0	84·9	84·2	83·9	83·4	82·7	82·4	82·1	82·4
28	81·9	82·6	81·8	82·3	81·9	82·4	83·9	83·8	84·2	84·4	84·6	85·2	85·0	85·3	84·4	85·5	85·3	84·1	83·8	84·0	83·1	82·0	81·5	81·5	83·5
29	80·9	81·4	80·6	80·5	79·6	80·6	83·5	82·9	83·9	84·2	84·9	85·6	86·1	86·7	87·2	87·2	87·9	88·1	87·8	86·5	85·0	83·5	82·3	81·4	84·1
30	81·7	82·1	81·8	81·6	81·7	81·6	82·4	83·3	83·9	84·5	85·0	85·9	84·5	83·4	84·1	84·1	83·8	83·6	83·4	83·3	83·1	82·7	82·0	81·5	83·1
31	82·1	82·2	82·4	82·6	83·4	84·1	85·4	86·4	88·0	88·0	88·5	89·2	89·6	90·0	90·3	89·9	89·5	88·0	87·4	86·4	85·2	84·4	84·4	84·6	**86·3**
Mean ...	81·7	81·6	81·5	81·4	**81·4**	81·6	82·3	82·8	83·1	83·6	83·8	84·1	84·3	**84·5**	84·5	84·4	84·3	83·9	83·5	83·0	82·5	82·1	81·9	81·8	82·9

305. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

June, 1923.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·6	82·5	81·2	80·4	80·5	80·8	81·9	82·8	84·4	84·3	84·8	85·4	85·8	86·0	86·5	86·8	86·6	86·9	86·3	85·8	85·2	84·7	85·1	84·4	84·3
2	82·8	81·8	81·2	80·4	79·9	80·8	83·4	85·9	87·8	88·6	88·6	88·0	89·2	88·0	88·6	88·6	88·3	87·5	87·0	86·5	85·6	85·2	85·2	84·5	84·6
3	83·7	83·6	83·3	82·9	82·3	82·9	83·6	83·9	85·9	87·4	88·4	87·7	87·4	86·4	86·0	85·6	85·5	85·3	84·7	84·5	84·1	83·4	83·5	83·5	84·8
4	83·5	83·6	83·5	83·5	83·5	84·1	84·5	84·6	84·8	85·1	85·6	85·9	85·9	86·7	86·1	86·9	86·5	85·6	84·7	84·3	83·9	83·6	83·5	83·6	84·7
5	83·6	83·3	83·3	83·5	83·5	83·4	82·9	83·1	83·6	83·5	84·2	84·2	84·1	84·5	84·6	84·9	84·9	85·1	84·5	84·4	84·1	83·9	83·9	84·0	**83·9**
6	84·0	83·9	83·8	83·6	83·5	83·5	83·7	83·9	84·3	84·6	85·2	85·2	85·7	85·7	86·0	86·3	85·4	85·1	84·8	84·3	83·7	83·5	83·4	83·1	84·4
7	82·5	82·1	81·7	82·8	83·2	83·6	84·5	84·7	85·9	85·9	85·9	85·9	85·4	85·6	85·9	85·5	85·4	84·9	84·5	84·5	84·5	84·5	84·5	84·5	84·5
8	84·5	84·5	84·4	84·5	84·5	84·6	84·9	85·3	85·3	85·5	86·4	86·9	87·4	88·3	87·7	87·7	87·3	86·4	86·2	85·7	85·6	85·5	85·5	86·1	85·8
9	86·8	86·7	87·0	87·1	86·9	86·4	86·3	86·3	86·4	86·5	86·7	87·0	87·2	87·5	87·3	87·4	87·5	87·3	86·7	86·3	85·8	85·4	85·0	85·0	86·6
10	84·9	84·5	84·3	84·3	84·3	84·1	84·7	85·5	86·8	86·5	87·2	87·2	87·5	87·5	87·5	87·1	87·1	86·5	85·9	85·3	84·8	84·5	84·5	84·4	85·7
11	84·4	84·3	84·3	84·2	84·2	84·3	84·2	84·8	85·1	85·3	85·9	85·8	86·0	86·3	86·3	86·6	87·0	85·4	84·9	84·8	84·4	84·3	84·0	83·8	85·0
12	83·9	84·0	83·8	84·1	84·3	84·5	85·2	86·0	86·1	86·4	86·9	87·1	86·9	86·3	85·7	85·6	85·5	85·5	85·4	85·3	85·2	85·2	85·1	85·1	85·4
13	85·1	85·1	85·1	85·1	85·2	85·3	85·3	85·4	85·5	85·4	85·5	86·3	85·8	86·1	85·9	85·8	85·4	85·2	84·6	84·2	83·9	83·9	83·8	83·8	85·1
14	83·8	83·7	83·9	83·9	84·0	84·2	84·9	85·1	85·5	85·5	85·9	86·5	87·2	86·9	87·3	88·2	86·9	86·2	85·8	85·7	85·5	85·8	86·0	85·9	85·6
15	85·6	85·6	85·5	85·5	85·4	85·3	85·3	85·3	85·7	86·1	86·2	86·0	85·9	86·0	86·3	86·0	86·1	85·5	85·2	84·3	83·7	83·5	83·6	83·7	85·3
16	83·7	83·7	83·6	83·5	83·4	83·4	82·9	83·2	83·9	84·5	84·9	85·1	85·4	85·6	85·5	84·8	84·6	84·6	84·0	83·9	83·8	83·6	83·4	83·5	84·1
17	83·2	83·0	83·1	82·7	83·0	82·9	82·9	83·7	84·0	84·6	85·9	85·9	87·1	86·7	86·2	86·4	85·9	85·6	85·5	85·5	85·3	85·3	85·2	85·2	84·7
18	85·2	85·2	84·9	84·6	84·5	84·4	84·3	84·5	84·7	85·2	85·4	85·9	86·7	86·5	87·4	87·7	86·8	86·3	86·5	86·1	85·7	85·0	84·1	84·2	85·5
19	84·2	84·0	83·8	83·8	83·7	83·7	84·4	85·3	84·9	85·4	85·7	86·2	86·2	86·1	86·4	86·8	86·9	86·1	85·5	84·8	84·5	84·1	84·3	84·1	85·0
20	83·9	84·0	84·1	84·1	84·1	83·9	84·5	85·1	85·6	85·6	85·6	85·6	86·1	86·2	86·9	86·9	87·7	86·5	86·4	85·9	85·7	85·7	85·9	86·0	85·5
21	86·0	86·0	85·7	85·2	85·8	85·9	86·0	86·1	86·2	86·5	86·9	87·2	87·3	87·1	87·0	86·7	86·9	87·3	86·7	86·4	86·1	86·1	85·7	85·6	86·4
22	85·4	85·3	85·3	85·4	85·6	85·7	85·4	85·1	86·1	87·3	88·3	88·4	89·4	88·5	87·9	87·8	87·8	87·5	87·2	86·8	86·5	86·6	86·5	86·5	86·7
23	86·5	86·4	86·6	86·6	86·8	86·7	86·9	87·1	87·5	88·3	88·6	88·1	88·4	88·6	88·9	89·2	88·5	88·2	87·8	87·4	87·1	86·6	86·5	86·5	87·5
24	86·4	86·3	86·3	86·3	86·3	86·4	86·8	87·3	87·8	88·1	89·3	88·9	89·2	88·7	88·8	89·1	88·9	88·2	87·9	87·3	86·8	86·5	86·4	86·4	**87·5**
25	86·3	86·1	86·1	86·0	86·1	86·2	86·5	87·0	87·3	87·5	87·6	88·2	88·3	88·7	88·2	88·5	88·3	87·6	87·2	86·7	86·4	86·3	86·3	86·2	87·1
26	86·2	86·1	86·1	86·1	86·0	85·8	85·8	85·9	85·7	86·0	86·1	86·2	86·5	86·7	87·3	86·9	87·3	87·2	86·4	86·2	86·0	85·7	85·7	85·4	86·2
27	85·2	85·2	85·3	85·4	85·6	85·7	86·2	86·6	87·7	88·5	88·5	88·3	89·1	89·1	89·0	88·8	87·9	87·3	86·6	86·1	85·7	85·4	85·4	85·3	86·8
28	85·0	84·3	84·4	84·1	83·9	84·6	86·4	88·5	88·3	88·7	89·6	89·2	89·5	90·3	90·4	89·2	90·0	88·9	88·0	87·7	87·4	87·2	87·1	87·0	87·5
29	86·8	86·6	86·4	86·2	86·0	86·2	86·6	86·6	86·8	87·4	87·5	87·9	88·1	88·7	88·9	89·5	88·3	87·6	86·5	86·0	85·8	85·5	85·4	85·3	87·0
30	85·1	85·2	85·4	85·5	85·5	85·6	86·2	86·5	86·6	87·0	87·0	87·5	87·5	88·3	87·3	87·5	87·6	87·9	87·1	86·3	85·5	84·7	84·7	85·1	86·4
Mean ...	84·8	84·6	84·4	**84·4**	**84·4**	84·5	84·9	85·4	85·9	86·2	86·7	86·8	87·1	87·1	87·1	**87·2**	87·0	86·5	86·0	85·6	85·3	85·0	85·0	84·9	85·7
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute, at exact hours, Greenwich Mean Time.

306. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

July, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·7	84·1	83·8	84·2	83·9	84·6	85·2	86·7	87·3	87·6	88·4	89·3	89·0	88·9	88·8	89·6	88·7	88·5	87·6	86·8	86·4	86·3	86·5	86·5	86·8
2	86·7	86·7	86·6	86·7	86·7	87·0	87·4	87·5	88·0	88·4	88·2	88·6	88·9	88·4	88·9	89·2	88·6	87·9	87·5	87·4	87·3	87·2	87·3	87·3	87·7
3	87·3	87·4	87·4	87·4	87·4	87·4	87·3	86·8	86·4	86·6	88·5	89·8	89·8	89·7	89·7	89·4	89·1	88·8	88·4	87·9	87·2	87·0	86·9	86·8	87·9
4	86·6	86·7	86·6	86·6	86·5	86·6	87·4	88·5	89·5	89·5	90·4	90·1	90·4	90·0	90·4	89·7	88·8	88·4	88·5	88·1	87·8	87·4	87·2	87·1	88·3
5	86·9	86·9	86·8	86·4	86·2	86·2	86·7	88·1	88·1	88·6	89·3	90·0	90·2	89·9	89·3	88·9	88·7	88·6	88·8	88·9	88·3	87·9	87·4	87·3	88·1
6	87·2	87·8	87·3	88·1	87·8	87·4	89·3	91·4	91·7	92·4	92·5	92·5	92·5	92·2	92·9	93·6	93·8	92·0	89·8	88·9	87·6	87·4	87·2	87·5	90·0
7	88·0	88·6	88·9	88·7	88·7	88·9	89·3	89·5	89·6	89·5	89·5	90·2	90·4	90·3	89·7	90·2	91·8	90·1	89·5	89·2	88·7	88·5	88·3	87·9	89·3
8	87·3	86·9	86·9	86·8	86·9	87·5	88·4	89·4	90·1	89·7	90·2	89·6	89·2	89·3	89·2	89·0	88·9	88·8	88·8	88·7	88·4	88·4	88·4	88·4	88·5
9	88·5	88·5	88·4	88·3	88·3	88·3	88·8	88·8	90·3	90·1	89·9	90·5	90·9	90·5	91·2	91·4	91·6	90·9	90·9	89·9	88·4	88·4	88·3	88·0	89·6
10	87·9	87·5	87·5	87·5	87·8	88·3	88·8	90·6	91·9	92·4	92·0	91·9	92·4	92·6	92·7	93·8	92·1	91·2	89·8	89·7	89·0	88·2	87·3	86·4	90·0
11	86·4	85·4	84·2	84·2	83·4	84·4	87·2	89·4	90·2	92·1	92·0	91·7	91·4	91·6	91·5	91·8	91·3	91·4	90·9	90·2	89·3	87·7	86·9	86·6	88·8
12	86·4	87·1	86·9	87·2	87·4	88·2	88·7	88·8	89·5	90·0	90·6	91·1	90·9	91·1	90·9	91·1	91·7	91·2	90·2	89·8	88·9	88·2	88·0	87·5	89·2
13	87·2	87·0	87·7	87·2	87·5	88·7	89·9	90·8	90·9	91·3	91·4	92·5	92·9	92·9	94·1	93·1	93·3	93·2	91·9	90·7	90·2	89·8	89·1	88·9	**90·5**
14	88·1	87·6	87·1	87·6	87·2	87·7	89·7	91·1	91·2	90·3	90·0	89·9	89·9	89·7	90·1	89·7	89·3	88·6	88·0	87·6	87·6	87·3	86·9	86·9	88·8
15	87·1	87·1	87·3	87·7	87·7	88·0	88·5	88·6	88·7	89·8	90·8	91·5	91·2	90·7	90·6	90·2	89·9	89·6	89·4	88·9	88·6	88·4	87·9	87·5	89·0
16	87·3	87·2	87·1	87·1	86·9	86·5	88·1	88·4	88·9	88·3	88·6	90·1	89·9	90·3	90·6	90·6	90·6	89·6	88·4	88·3	87·4	86·9	87·2	86·9	88·4
17	86·3	85·8	86·2	86·0	85·8	86·0	86·8	87·3	89·4	89·1	89·5	89·4	90·4	89·2	89·9	89·9	89·6	89·2	87·9	87·5	87·2	86·9	86·3	86·5	87·8
18	85·8	86·3	85·4	85·9	86·2	86·9	87·2	90·2	89·8	89·4	89·4	89·7	89·5	89·6	89·2	89·5	89·4	88·6	88·2	87·9	78·3	87·2	86·8	86·9	88·0
19	87·1	87·3	87·5	87·1	86·4	86·9	87·9	88·5	88·6	88·7	89·9	89·9	90·1	90·1	90·2	90·1	89·7	89·5	89·0	88·6	88·5	88·4	88·5	88·6	88·6
20	88·6	88·8	88·7	88·5	88·5	88·5	88·8	89·3	89·3	90·3	90·3	90·7	90·8	91·8	91·2	91·0	90·5	90·1	89·5	89·4	89·3	89·1	89·3	89·2	89·6
21	88·8	88·8	88·8	88·8	88·8	88·8	88·9	89·2	89·5	89·9	90·8	91·3	91·7	91·4	91·8	91·9	91·4	90·5	90·1	89·3	89·2	89·0	89·2	89·1	89·9
22	88·9	88·5	88·5	88·5	88·5	89·0	89·1	89·7	90·2	91·0	91·2	91·1	91·3	91·9	90·8	90·6	90·3	89·9	90·2	89·6	89·4	89·2	89·2	89·3	89·8
23	89·2	89·3	89·5	89·5	89·1	89·3	89·5	89·6	89·4	89·5	89·3	89·4	89·4	89·9	90·0	89·5	89·6	89·9	89·1	88·3	87·4	87·4	87·5	87·4	89·1
24	87·4	87·3	87·2	87·1	87·1	87·3	87·7	88·1	88·5	89·1	89·9	90·4	90·3	90·1	90·2	90·3	89·9	89·4	89·4	89·0	88·5	88·5	88·4	88·5	88·7
25	88·7	89·1	89·1	88·9	88·6	88·4	88·4	88·5	88·6	89·0	89·9	90·1	90·5	90·6	90·6	90·2	89·9	88·9	88·5	87·8	87·4	87·4	87·4	87·3	88·9
26	87·1	87·1	87·0	86·5	86·6	86·6	87·0	87·5	88·0	88·5	88·5	88·8	89·0	88·3	89·0	88·7	89·3	88·1	87·7	87·3	87·0	86·8	86·6	86·2	87·7
27	86·2	86·2	86·4	86·3	86·4	87·2	88·8	89·5	89·9	90·0	89·9	90·2	90·8	90·6	90·7	90·3	90·0	90·1	89·9	89·8	88·3	87·4	87·6	87·8	88·7
28	87·4	86·5	87·1	86·4	86·0	86·6	87·4	87·9	88·6	88·5	89·0	89·9	89·4	89·8	89·9	89·8	89·5	88·7	88·3	87·8	87·2	87·2	86·6	86·6	88·0
29	86·7	86·9	86·7	86·6	86·6	86·8	87·1	88·0	88·2	89·3	88·6	88·9	88·6	89·3	89·6	89·2	89·4	89·0	88·7	88·1	87·7	87·7	87·6	87·5	88·0
30	87·3	87·4	87·5	87·5	87·4	87·4	87·5	88·0	87·8	87·9	87·8	88·4	89·9	89·9	90·2	89·5	89·1	88·6	87·8	87·4	86·9	86·8	86·8	86·3	88·0
31	85·9	85·4	84·9	85·3	84·8	85·2	84·9	85·5	85·0	85·7	87·0	87·1	87·9	89·1	88·8	88·9	89·4	88·0	87·7	87·4	87·1	87·0	86·9	86·4	**86·7**
Mean ...	87·3	87·2	87·1	87·1	**87·0**	87·3	88·0	88·7	89·1	89·4	89·8	90·1	90·3	90·3	**90·4**	90·3	90·2	89·6	89·0	88·6	88·0	87·8	87·6	87·5	88·7

307. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

August, 1923.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	86·2	86·6	86·1	85·9	86·2	86·1	88·6	88·6	89·2	88·4	89·4	90·1	90·7	90·3	89·8	90·1	90·5	89·2	88·4	87·6	87·6	87·8	86·4	86·3	88·2
2	86·3	86·9	87·3	88·2	88·9	88·0	87·5	87·9	88·4	88·5	87·9	87·2	86·5	86·9	88·4	88·6	89·0	88·3	87·6	87·3	86·9	86·7	86·5	85·9	87·6
3	85·9	85·9	85·9	86·0	85·9	85·9	86·7	88·4	88·5	88·8	89·5	90·1	89·8	89·9	90·0	90·0	90·3	89·4	88·4	87·7	87·0	86·1	86·1	86·5	87·9
4	86·7	86·9	86·7	86·7	86·9	87·7	88·0	89·6	90·6	90·3	90·6	90·9	90·9	90·9	90·3	90·5	89·9	89·5	89·2	88·9	88·9	89·1	88·6	88·7	89·0
5	88·6	88·7	88·3	88·2	88·2	87·9	88·1	89·0	89·3	90·5	90·5	90·9	91·3	91·4	91·4	91·3	90·6	90·3	90·1	89·2	88·3	87·4	87·3	87·4	89·4
6	87·5	87·8	87·9	87·9	87·8	87·9	88·1	88·5	88·4	88·8	88·9	89·3	89·7	89·8	89·6	89·5	89·4	88·7	88·7	88·6	88·6	88·5	88·5	88·4	88·6
7	88·5	88·4	88·5	89·1	88·9	88·8	88·5	88·5	88·4	88·5	89·4	90·2	90·2	90·6	89·6	89·5	89·5	89·6	88·5	87·9	87·3	87·5	87·8	88·6	88·8
8	88·7	88·6	88·4	88·5	88·3	88·0	88·5	89·2	89·3	89·5	89·3	89·3	89·4	89·5	90·0	90·6	89·6	89·6	89·4	89·4	89·0	88·8	88·8	88·0	89·1
9	87·9	87·9	87·9	87·9	87·9	87·6	87·7	88·7	89·4	90·8	91·6	91·5	91·4	91·4	91·4	90·6	90·5	90·2	89·4	88·8	88·5	88·4	88·1	88·1	89·3
10	87·9	87·9	87·7	87·6	87·5	87·3	88·9	90·0	90·0	89·6	90·9	91·3	91·2	91·2	91·1	90·5	90·5	90·3	89·2	88·5	87·4	86·5	85·4	85·0	89·0
11	84·4	83·7	83·7	83·7	83·7	84·8	85·7	87·1	89·4	90·6	91·3	91·6	91·9	91·7	92·2	91·5	90·9	89·8	89·2	88·7	89·1	89·4	89·2	88·9	88·3
12	88·6	88·6	88·8	89·0	88·9	88·9	89·1	89·3	89·3	89·6	89·8	89·6	90·0	90·0	90·0	90·1	89·9	89·8	89·8	89·7	89·6	89·5	89·4	89·4	89·4
13	89·6	89·6	89·6	89·3	89·0	89·0	89·1	89·4	89·8	90·5	91·6	90·9	90·5	90·4	91·5	90·6	90·8	90·3	89·6	89·3	88·7	88·6	88·5	88·4	**89·2**
14	88·2	88·1	87·8	88·1	88·2	88·1	88·1	88·8	89·0	89·3	89·7	89·8	89·7	90·1	90·1	89·9	89·4	88·9	88·3	87·6	87·3	87·2	86·9	86·9	88·6
15	86·7	86·6	86·6	86·6	86·4	86·1	86·9	87·7	88·0	88·1	88·4	88·5	88·8	88·9	88·7	88·7	88·7	88·2	87·9	87·3	86·8	86·8	86·8	86·8	87·5
16	86·4	86·4	86·0	86·5	85·6	86·2	86·2	86·2	88·0	88·6	89·9	89·5	89·2	89·3	89·0	88·6	88·5	87·6	87·9	88·2	88·1	88·1	88·3	88·5	87·7
17	88·8	88·5	88·3	87·5	87·8	87·8	87·8	87·9	88·0	88·6	89·3	89·5	90·2	90·2	90·2	89·0	88·0	87·7	87·3	87·5	87·1	87·3	87·1	87·4	88·3
18	87·4	87·4	87·2	87·2	87·1	86·6	87·2	87·4	88·6	88·9	88·8	88·7	88·5	89·3	89·4	87·9	88·4	88·1	88·0	87·1	87·3	87·2	87·0	86·9	87·8
19	86·9	87·3	87·3	87·3	87·2	87·2	87·6	88·7	89·1	88·9	89·3	89·9	89·6	89·0	88·6	87·7	87·4	87·3	87·3	87·3	87·6	88·2	88·1	87·8	88·0
20	87·5	87·4	87·4	87·4	87·3	87·1	87·1	87·4	87·9	88·5	88·5	88·3	87·8	87·9	89·1	89·6	89·6	89·6	89·6	89·8	90·0	90·0	89·8	89·4	88·5
21	87·0	86·5	85·9	86·1	86·0	85·6	85·5	86·4	87·7	88·1	88·4	87·8	88·8	86·3	85·3	86·9	86·3	85·6	85·7	86·0	86·1	86·3	86·2	86·2	86·6
22	86·4	86·4	86·5	86·5	86·3	86·2	86·5	87·5	87·3	87·6	87·8	88·2	88·5	88·5	88·5	87·6	88·2	87·6	86·8	86·0	85·0	84·5	84·5	84·3	86·8
23	84·7	85·4	85·8	86·2	86·3	86·4	86·8	87·3	88·2	87·7	88·1	89·4	89·9	90·1	89·8	89·4	88·9	88·3	87·6	86·9	86·5	85·6	85·3	84·5	87·3
24	86·3	86·3	86·5	86·6	86·2	85·9	86·3	86·4	86·5	87·1	87·9	87·9	87·9	88·1	88·0	87·8	87·8	87·4	86·8	85·8	85·5	84·2	83·9	83·7	86·5
25	85·2	85·3	85·3	85·5	85·7	86·4	86·8	87·2	87·8	88·2	88·3	88·3	88·4	88·6	88·9	89·5	88·7	88·6	87·9	87·6	87·6	87·5	87·6	86·8	87·3
26	86·6	87·0	85·9	86·3	86·6	86·6	86·9	86·9	87·9	86·8	88·0	88·9	88·8	89·1	87·9	88·1	88·2	87·4	86·9	86·5	86·2	86·0	85·2	85·5	87·1
27	85·6	85·1	85·4	85·5	84·5	85·4	85·6	85·8	86·1	86·2	86·0	86·7	86·3	86·0	86·7	86·7	86·5	86·6	86·3	86·2	85·7	85·3	85·2	85·4	85·9
28	84·9	85·2	85·2	85·2	85·0	84·4	85·4	86·4	85·0	86·3	87·1	87·6	87·1	87·4	87·5	86·7	86·6	86·2	85·2	84·8	84·5	84·9	84·9	84·2	85·8
29	82·9	83·2	82·9	82·9	83·0	82·6	82·5	82·0	82·4	82·8	83·1	83·3	85·4	85·3	85·9	85·7	85·6	84·6	85·1	84·4	84·5	84·7	84·3	83·8	**83·9**
30	84·0	84·1	84·3	84·2	84·2	84·2	84·6	85·3	85·1	85·7	86·4	86·4	86·7	86·9	85·4	86·3	86·0	85·1	85·2	85·0	84·9	84·0	84·5	84·0	85·1
31	83·6	83·5	83·8	83·9	83·5	82·4	83·0	84·7	85·4	85·6	86·1	86·4	86·9	87·4	86·4	86·6	86·6	86·2	85·4	85·2	85·1	84·8	84·5	84·5	85·1
Mean ...	86·6	86·7	86·6	86·7	86·6	**86·6**	86·9	87·5	88·0	88·3	88·8	89·0	89·1	**89·1**	89·1	88·9	88·7	88·3	87·8	87·4	87·2	87·0	86·8	86·7	87·7
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute, at exact hours, Greenwich Mean Time.

308. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

September, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·6	84·5	84·4	84·2	84·3	84·4	84·5	84·2	85·7	84·6	85·7	86·4	86·8	86·8	87·1	86·8	86·6	86·2	85·5	84·7	84·1	83·6	83·4	82·3	85·1
2	81·7	81·2	80·5	80·9	80·5	80·3	80·9	83·9	84·9	86·6	87·1	87·4	87·5	87·6	86·8	87·1	87·4	86·9	85·9	84·3	85·2	85·3	84·1	84·1	84·5
3	84·5	83·9	83·9	83·8	84·3	84·8	85·7	86·3	86·5	86·5	86·9	86·9	86·5	86·8	87·1	87·2	87·3	87·2	87·2	87·5	87·6	87·5	86·5	86·3	86·1
4	85·4	85·5	84·6	84·5	84·5	84·4	84·4	85·5	86·1	86·5	87·0	87·3	87·5	87·5	87·5	87·6	87·3	86·7	86·1	85·7	85·3	85·2	85·5	86·0	86·0
5	85·9	86·3	86·4	86·4	86·3	86·3	86·3	86·6	87·0	87·4	87·9	88·1	88·4	88·8	88·7	88·5	87·9	87·5	87·1	86·9	86·8	86·8	86·6	86·4	87·1
6	86·0	85·9	86·1	86·2	86·3	86·4	86·6	86·9	87·2	87·3	87·6	87·9	88·3	88·9	89·0	88·7	88·3	88·3	88·2	88·0	87·8	87·9	88·1	88·2	87·5
7	88·3	87·9	86·9	86·6	86·6	86·1	85·9	86·0	85·7	86·5	86·9	87·1	87·3	87·3	87·6	87·6	87·1	86·7	85·9	84·3	83·5	82·5	81 6	80 7	86·1
8	80·6	80·7	80·7	80·0	80·4	81·2	83·2	85·1	86·2	87·0	87·7	88·3	88·4	88·1	87·9	88·1	87·5	86·9	86·3	86·0	86·2	86·2	86·2	86·3	85·1
9	86·2	86·3	86·4	86·5	86·5	86·3	86·5	86·8	87·2	87·2	87·8	88·0	87·9	87·6	86·3	86·5	86·5	86·4	86·2	86·3	86·3	85·9	85·7	85·4	86·6
10	85·1	85·4	84·8	84·5	83·9	83·5	84·0	85·5	85·5	85·7	86·9	87·4	87·6	87·5	87·5	87·4	87·1	86·7	85·8	84·5	84·8	83·4	82·5	81·4	85·4
11	80·4	80·1	80·3	80·1	80·6	80·7	80·8	83·4	86·8	86·9	88·4	88·7	88·8	88·4	88·1	88·3	87·7	87·6	87·3	87·1	87·1	86·9	86·9	86·8	85·2
12	86·9	87·1	87·2	87·4	87·4	87·4	87·3	86·8	87·2	88·1	89·0	89·4	89·1	89·9	89·8	89·5	88·6	88·2	87·6	87·5	87·5	87·6	86·9	86·9	87·9
13	86·8	86·6	86·6	86·7	86·7	86·8	86·5	87·1	87·6	87·2	87·2	87·4	87·6	87·8	87·2	86·8	86·6	86·0	85·6	85·5	85·4	85·0	85·4	84·5	86·6
14	84·8	84·8	84·3	84·7	84·4	84·5	84·4	85·1	85·5	85·6	86·1	85·2	86·0	85·9	85·8	85·8	85·3	84·8	84·1	82·9	82·5	82·6	83·1	82·5	84·7
15	82·1	81·9	82·1	82·4	82·0	82·4	82·0	83·1	83·5	84·3	82·5	83·5	83·3	84·4	83·8	84·4	84·5	83·3	82·6	82·9	82·8	82·4	82·1	82·4	**82·9**
16	83·9	83·9	82·0	83·1	83·0	83·2	83·1	83·7	84·4	84·6	84·4	85·4	86·0	85·9	85·7	85·7	84·9	84·4	83·9	84·1	84·4	84·6	84·8	85·0	84·3
17	84·4	84·5	84·5	84·5	84·6	84·8	85·2	85·9	85·6	84·6	83·5	83·5	83·9	84·8	84·5	84·9	83·1	83·3	82·3	83·9	84·0	84·1	83·9	84·1	84·3
18	83·1	83·5	83·7	83·5	83·6	83·4	82·5	83·8	84·0	85·1	84·1	84·7	84·5	85·1	85·4	85·4	84·9	84·2	84·2	83·3	83·8	83·6	83·9	83·9	84·1
19	83·0	84·5	84·5	84·3	84·5	84·8	84·9	84·4	85·4	85·9	86·4	84·9	86·9	86·1	86·2	86·2	86·1	85·7	85·3	85·1	84·9	85·4	85·2	85·1	85·2
20	84·9	84·7	84·9	84·5	84·7	84·5	84·5	84·7	85·0	85·6	85·9	85·9	85·8	86·0	86·2	86·0	85·9	85·3	86·8	86·7	86·3	85·8	86·2	86·2	85·5
21	86·3	86·1	86·1	86·1	86·1	85·8	85·9	85·7	86·1	86·2	86·7	87·3	87·4	87·3	87·5	87·3	87·0	86·5	86·4	86·3	86·2	85·9	85·5	85·5	86·4
22	84·6	85·2	84·4	83·8	84·3	84·2	83·5	83·9	85·0	85·5	84·6	85·6	85·9	85·5	85·6	85·6	85·1	83·9	83·3	83·3	83·6	83·5	83·9	83·9	84·5
23	83·9	83·7	83·4	83·6	83·5	83·9	84·1	84·1	84·5	84·6	85·2	85·7	85·3	85·7	85·7	85·6	85·3	84·7	84·2	83·7	83·3	81·7	80·6	80·2	84·1
24	80·7	80·9	82·7	83·3	83·9	83·9	84·1	84·5	85·2	85·5	85·3	85·0	85·1	85·4	85·3	85·3	84·4	85·0	84·8	84·8	84·9	85·0	85·2	85·1	84·3
25	85·1	85·2	85·2	85·2	84·1	84·4	84·4	84·8	84·9	84·6	84·7	85·1	85·4	85·6	86·1	86·3	86·3	85·9	85·9	85·9	86·2	86·4	86·3	86·4	85·4
26	86·3	85·9	85·6	85·8	86·1	86·1	86·0	86·1	86·9	87·4	87·4	87·7	87·7	87·7	87·5	87·5	87·5	86·9	86·5	86·6	86·8	86·8	86·6	86·6	86·7
27	86·7	86·7	86·8	87·1	87·1	87·1	87·2	87·5	87·6	87·5	87·5	87·6	87·5	87·5	87·4	87·5	87·5	87·5	87·4	87·7	88·3	87·8	87·8	87·5	87·4
28	86·5	85·5	85·4	85·0	84·6	84·5	84·5	84·5	84·6	85·0	86·1	87·1	88·2	88·3	88·0	87·9	87·7	87·7	88·0	87·8	87·9	88·1	88·1	88·2	86·6
29	88·1	88·0	88·0	87·9	87·7	87·7	87·9	88·0	88·5	89·3	89·5	89·2	89·5	90·3	90·2	88·2	87·0	86·5	86·0	86·0	86·7	87·9	88·5	88·7	88·1
30	89·5	89·4	89·4	89·0	88·3	88·0	88·1	88·1	89·5	89·6	88·1	88·5	88·9	88·5	88·7	88·0	87·7	87·4	87·3	87·3	87·4	87·4	87·4	87·3	**88·3**
Mean ...	84·9	84·9	84·7	84·7	**84·7**	84·7	84·8	85·4	86·0	86·3	86·5	86·7	87·0	**87·1**	87·0	86·9	86·5	86·1	85·8	85·6	85·6	85·4	85·3	85·1	85·7

309. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

October, 1923.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	87·2	86·8	85·8	85·0	84·9	84·9	84·9	84·8	85·0	85·4	85·7	86·0	86·4	86·6	86·4	86·3	86·0	85·5	85·3	84·5	84·6	84·6	84·8	85·2	82·6
2	85·5	85·7	85·9	86·3	86·4	84·5	84·3	84·4	84·8	85·2	85·2	85·1	85·8	85·4	85·6	85·4	84·8	84·5	83·9	83·8	83·8	83·2	83·0	82·9	84·9
3	84·0	86·1	86·0	84·8	84·0	83·5	82·8	83·3	83·2	83·9	84·4	84·7	84·2	84·6	84·1	83·0	83·5	82·9	82·8	82·8	82·7	82·3	82·4	81·9	83·7
4	82·0	81·7	81·7	81·5	81·8	81·3	81·3	81·5	82·4	82·9	83·4	83·7	84·5	84·3	84·0	83·5	83·6	83·2	82·7	83·0	83·5	83·7	84·1	84·2	82·8
5	84·4	84·5	84·4	84·5	84·7	85·0	85·0	84·9	84·9	85·3	85·5	85·7	86·0	85·4	85·0	85·0	84·9	83·6	83·8	83·6	83·7	83·4	83·5	83·8	84·6
6	84·2	83·5	83·7	84·3	84·4	84·5	84·6	84·9	84·4	85·4	86·0	85·9	86·0	86·1	85·0	85·7	85·6	85·1	85·2	85·2	85·3	85·4	85·5	85·4	85·0
7	85·4	85·4	85·3	84·9	85·2	85·5	85·9	86·3	86·8	86·9	86·9	86·7	86·8	87·0	87·0	86·7	86·3	85·6	85·6	85·6	85·9	85·8	85·8	85·9	86·0
8	85·7	85·6	85·2	85·0	84·9	84·4	84·3	84·4	84·9	85·8	86·8	86·0	86·6	87·1	87·5	87·7	87·7	87·6	87·4	87·5	87·6	87·7	87·7	87·9	**86·3**
9	87·9	87·2	86·3	86·0	85·7	85·5	85·4	85·4	85·4	85·6	86·2	86·5	86·5	86·4	86·3	85·7	85·4	85·0	84·7	84·8	84·8	84·5	84·5	84·9	85·8
10	85·0	85·1	85·0	85·1	85·4	85·5	85·3	85·3	85·5	84·7	84·9	84·6	84·6	85·2	85·1	85·0	85·0	85·0	85·3	85·1	84·8	84·9	84·3	84·0	85·0
11	84·2	84·3	84·3	84·2	84·0	84·0	83·6	83·4	83·5	84·0	84·4	84·2	84·7	84·8	84·9	84·6	84·5	84·2	83·9	83·8	83·9	84·0	83·1	82·9	84·1
12	82·9	82·4	82·6	83·3	83·0	83·0	82·8	83·4	83·4	82·9	82·3	83·4	83·5	83·3	82·9	83·0	82·8	82·7	82·7	82·8	82·6	81·9	82·3	82·6	82·9
13	82·4	82·6	82·5	82·7	82·5	83·0	82·4	82·6	83·0	82·7	82·5	83·5	83·6	83·9	83·5	83·4	83·1	81·8	82·1	82·0	81·8	81·9	81·9	80·6	82·6
14	81·1	80·0	80·3	79·8	80·7	80·3	80·2	80·3	80·7	81·4	82·0	82·1	82·9	82·0	83·1	83·1	82·4	81·9	80·3	79·0	78·0	76·7	76·9	76·5	80·6
15	77·1	77·2	76·6	76·0	76·1	76·0	76·0	77·6	78·7	80·9	82·6	82·8	83·2	83·4	83·3	83·2	82·7	81·7	80·9	80·3	80·9	80·2	81·0	81·9	**79·9**
16	81·7	81·8	82·3	82·7	82·9	83·0	83·4	83·6	83·8	83·9	84·5	85·0	85·3	85·3	85·0	84·9	84·7	84·4	83·9	84·0	84·0	83·9	83·8	83·9	83·8
17	84·0	84·0	84·0	84·0	83·9	84·2	84·0	83·9	84·3	84·3	84·4	84·9	85·1	85·2	85·0	84·6	84·3	84·0	83·7	83·6	83·8	83·5	83·7	83·9	84·2
18	83·7	83·2	82·9	83·0	83·3	83·7	83·9	83·6	83·6	83·8	84·2	84·5	84·9	84·9	84·8	84·7	84·8	85·0	85·6	85·9	86·0	87·3	87·3	87·5	84·6
19	84·4	83·8	83·3	83·0	82·9	82·9	82·5	82·7	82·5	83·6	83·5	84·0	83·7	83·9	84·5	83·7	82·5	82·3	82·2	82·2	82·3	81·7	82·9	83·1	83·2
20	83·4	83·5	83·5	83·9	84·0	84·5	84·5	85·0	85·2	85·4	85·5	85·6	85·8	85·7	85·1	85·2	85·2	84·3	84·0	84·4	83·9	82·7	82·6	82·2	84·4
21	82·3	82·6	82·8	82·6	82·4	82·3	81·5	82·4	82·9	83·3	83·6	82·7	83·1	82·9	83·2	82·8	83·0	82·4	82·2	82·5	82·3	82·0	82·5	82·6	82·6
22	81·9	82·4	83·0	83·4	83·6	82·5	83·3	83·4	83·6	84·0	83·8	83·5	84·5	84·5	84·3	83·7	83·4	82·6	82·5	82·6	82·6	82·6	82·5	82·7	83·2
23	82·8	83·0	83·4	83·9	84·4	83·9	83·7	83·3	83·4	83·5	83·3	83·3	83·6	82·5	83·2	82·2	81·4	80·1	80·6	80·5	80·5	79·9	80·4	80·6	82·4
24	80·9	81·1	81·2	81·0	81·3	81·3	80·9	81·3	80·8	81·5	82·8	83·7	83·2	82·5	83·2	83·2	82·8	82·2	81·7	82·0	82·1	82·1	81·8	81·5	81·9
25	81·5	82·2	82·5	82·7	82·8	82·4	81·5	81·9	82·6	81·9	83·3	83·8	82·5	83·0	83·4	82·7	82·4	80·7	80·5	80·8	80·6	80·2	79·1	79·1	81·9
26	79·2	80·3	81·0	80·7	81·3	82·4	82·6	82·3	82·3	83·5	83·0	83·5	83·4	83·5	82·6	83·4	83·8	84·3	84·3	83·8	83·8	83·2	81·5	80·5	82·5
27	81·1	80·8	81·3	81·2	80·6	81·4	81·0	80·7	79·9	80·2	80·9	81·7	83·0	82·5	83·0	82·5	82·8	83·4	82·3	82·9	83·0	82·8	82·7	83·3	81·8
28	83·4	83·6	83·6	83·6	83·9	83·1	83·4	83·5	83·7	83·8	84·2	84·1	84·4	83·7	82·8	83·6	83·4	83·1	82·9	82·6	81·8	81·8	82·1	82·3	83·3
29	83·2	83·5	83·6	83·3	83·2	83·5	83·7	84·3	84·6	84·9	85·5	86·5	86·8	86·6	86·6	86·5	86·1	86·1	86·1	86·2	86·3	86·3	86·5	86·9	85·2
30	86·9	85·5	84·8	84·7	84·9	84·5	83·7	83·5	83·6	84·5	84·7	85·5	85·4	85·3	84·6	84·5	83·7	83·4	83·6	83·4	83·4	83·3	82·8	82·7	84·4
31	82·6	82·4	82·6	83·1	83·1	82·9	82·6	83·3	83·5	83·8	83·5	84·4	84·8	84·3	84·2	83·9	82·5	82·6	82·8	82·7	82·7	82·7	82·8	82·8	83·2
Mean ...	83·3	83·3	83·3	83·2	83·3	83·2	**83·1**	83·3	83·4	83·8	84·2	84·4	**84·7**	84·6	84·5	84·3	84·0	83·6	83·4	83·4	83·3	83·1	83·1	83·1	83·6
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute, at exact hours, Greenwich Mean Time.

310. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

November, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	82·6	82·6	82·6	82·7	82·6	82·6	82·6	82·4	82·8	83·5	84·2	84·3	84·5	82·5	81·6	81·6	81·7	82·5	81·8	82·4	82·1	81·3	82·0	81·9	82·6
2	82·3	82·3	82·2	82·1	81·9	81·1	81·6	82·0	82·5	82·8	83·0	84·5	84·9	85·1	84·8	84·8	84·8	84·8	84·7	84·9	84·9	84·9	85·0	84·9	83·6
3	85·0	85·3	85·1	85·4	85·5	85·6	85·9	86·0	86·1	85·1	84·5	84·1	84·0	83·6	83·6	82·5	81·9	81·7	81·5	81·5	82·0	82·0	82·0	82·2	83·9
4	81·9	81·5	81·7	81·7	81·5	81·7	80·7	80·9	80·6	81·8	81·7	81·7	82·6	82·6	82·1	82·4	81·9	81·5	81·5	81·3	81·0	81·2	80·2	80·2	81·5
5	80·9	80·6	79·9	80·2	79·7	79·3	78·6	78·9	79·2	80·1	79·7	80·6	81·5	81·4	81·2	80·7	79·4	78·9	78·5	78·6	78·5	77·9	77·6	78·2	79·6
6	78·0	76·7	76·4	76·1	76·5	77·1	77·9	78·2	78·0	79·8	80·3	81·3	81·4	81·3	81·2	80·3	80·1	79·2	77·6	77·2	76·7	76·4	76·3	77·0	78·4
7	78·9	79·9	80·0	79·6	80·1	79·9	79·9	79·9	80·4	80·1	80·8	81·3	81·3	80·6	80·9	81·3	81·3	81·3	81·4	81·4	81·3	81·4	81·3	81·2	80·6
8	80·8	81·1	81·5	81·3	82·0	81·4	81·6	80·9	80·9	81·3	81·4	81·7	81·8	81·3	81·2	80·5	80·9	80·5	80·4	80·2	79·9	79·6	80·1	80·4	81·0
9	80·4	80·7	80·8	81·5	81·8	81·6	81·0	80·5	81·3	81·5	82·1	82·2	82·2	82·3	82·1	82·0	81·4	81·1	80·8	80·6	80·4	79·9	79·4	79·0	81·1
10	79·1	78·7	78·9	78·0	77·6	77·6	77·1	77·4	78·4	79·4	80·2	80·5	80·5	81·1	80·8	80·8	80·2	79·6	79·4	79·7	79·1	79·0	78·4	78·4	79·2
11	77·7	77·9	77·8	77·7	77·9	78·2	78·5	78·7	79·9	80·3	81·1	81·9	82·2	82·6	82·8	82·8	82·6	82·5	82·5	82·6	82·7	82·7	83·1	83·0	80·7
12	83·2	83·3	83·5	83·4	83·7	83·6	83·6	83·7	83·7	83·8	83·9	84·2	84·5	84·5	84·5	84·2	84·1	84·1	83·9	84·0	84·0	84·2	84·3	84·4	83·9
13	84·6	85·0	85·0	85·1	85·2	85·0	85·0	84·9	84·9	85·0	85·0	85·1	85·3	85·4	85·0	84·4	83·4	82·8	82·5	81·3	80·5	80·9	80·5	80·5	**83·9**
14	80·3	80·3	80·6	78·8	79·7	78·2	79·3	78·2	79·4	78·6	79·8	79·8	80·4	80·3	79·7	79·6	78·3	79·3	79·4	79·5	77·8	77·7	78·1	78·7	79·3
15	79·4	79·9	80·9	81·7	82·4	80·6	81·5	81·5	80·5	80·8	81·0	81·7	81·8	82·2	81·6	81·8	81·5	81·3	81·4	81·1	80·9	80·8	80·1	78·9	81·1
16	77·7	79·5	79·7	79·1	80·0	79·7	78·4	79·7	79·7	80·3	80·5	80·8	80·9	82·0	82·0	82·0	80·8	79·9	80·5	80·1	79·6	79·4	78·5	78·4	80·0
17	78·6	79·6	79·2	79·4	78·2	77·7	77·4	78·6	79·4	78·2	77·7	77·8	79·3	79·4	80·1	79·2	79·6	78·4	78·5	78·9	78·5	79·5	78·5	77·3	78·7
18	78·7	78·7	78·5	77·8	78·5	77·6	78·9	79·2	80·1	79·9	81·0	80·5	80·6	80·8	79·6	79·3	80·7	80·1	79·5	79·3	79·5	79·2	79·1	80·4	79·4
19	79·4	79·5	78·9	78·8	78·9	79·3	79·4	79·2	79·1	79·3	79·5	79·2	79·6	80·7	79·7	79·7	79·4	78·9	79·2	77·8	78·5	77·6	78·1	77·4	79·1
20	78·2	78·1	78·8	78·6	78·0	78·2	78·1	78·4	78·1	78·6	78·3	79·2	79·8	79·3	79·4	78·2	78·5	78·6	78·5	79·3	78·3	78·9	78·5	78·1	78·6
21	77·4	77·8	77·5	77·0	76·8	76·8	75·8	75·0	75·1	75·3	77·5	78·9	79·4	79·6	79·4	78·7	77·2	76·5	75·2	75·0	73·8	74·2	73·6	73·6	76·6
22	73·6	73·5	73·5	73·5	72·9	72·8	72·9	73·0	73·7	75·7	76·7	77·5	78·3	78·1	77·8	76·6	76·4	75·6	75·2	75·1	75·1	74·9	74·9	74·4	75·1
23	74·9	75·3	75·2	75·1	75·1	74·9	74·9	74·7	75·0	76·2	76·6	77·6	77·9	77·9	77·8	77·4	76·2	75·6	75·0	74·6	74·1	73·5	73·1	72·9	75·5
24	72·9	73·1	73·3	73·6	73·0	73·2	73·4	71·5	71·5	72·8	73·9	74·9	75·6	76·3	76·0	75·7	74·7	72·8	72·2	71·5	70·9	71·4	71·4	70·5	**73·2**
25	70·7	70·6	71·4	71·3	71·8	72·5	72·7	73·4	73·4	74·7	76·2	77·0	77·8	78·0	78·0	78·9	78·6	78·6	78·4	78·6	78·9	78·6	79·0	78·4	75·6
26	77·5	77·8	77·4	77·1	76·7	76·6	76·1	76·0	76·1	77·0	78·0	79·0	78·1	77·7	77·7	77·8	77·2	77·1	76·3	75·5	74·8	73·8	73·5	73·1	76·7
27	73·2	72·6	72·6	73·3	72·9	72·5	72·6	72·8	73·9	75·9	76·2	76·3	76·8	76·7	77·1	77·2	77·2	77·4	77·8	77·6	77·2	76·6	76·1	76·3	75·3
28	75·4	75·5	74·6	74·4	74·4	73·7	73·8	73·5	73·4	73·7	75·1	75·3	75·7	76·2	75·8	75·4	74·6	74·4	75·1	74·8	74·4	75·1	75·2	74·7	74·8
29	75·4	76·3	75·6	75·6	76·3	75·5	76·1	75·8	76·5	76·8	76·4	77·5	78·7	78·6	78·8	78·3	77·4	76·5	76·6	75·4	74·3	74·2	73·7	72·5	76·2
30	72·5	71·4	71·5	71·5	71·4	71·2	71·1	71·6	72·2	73·9	75·8	77·4	78·3	79·4	79·7	80·1	80·2	80·5	80·9	81·3	81·9	81·6	81·4	80·6	76·4
Mean ...	78·4	78·5	78·5	78·4	78·4	**78·2**	78·2	78·2	78·5	79·1	79·6	80·1	80·5	**80·6**	80·4	80·1	79·7	79·4	79·2	79·0	78·7	78·6	78·4	78·3	79·1

311. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

December, 1923.

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	80·4	79·8	79·8	79·5	79·6	79·2	79·5	78·9	78·9	78·8	79·9	80·3	80·7	81·1	80·8	80·5	79·9	79·9	81·0	80·9	79·9	80·6	80·6	80·3	80·0
2	80·5	79·6	79·6	79·2	79·3	79·2	78·7	77·7	79·1	78·2	79·8	78·8	79·5	79·1	80·0	79·5	79·5	79·3	80·0	79·9	78·7	79·4	78·4	78·8	79·3
3	79·3	79·1	79·5	78·6	78·9	79·5	79·3	78·6	78·3	77·9	79·5	79·9	79·8	79·8	79·4	78·8	78·9	79·3	79·8	80·4	80·9	81·5	82·0	81·5	79·5
4	81·3	80·6	81·2	80·6	79·8	79·7	79·8	79·1	80·0	79·7	80·4	81·3	80·4	80·4	79·9	79·5	79·2	78·8	78·9	78·4	78·0	78·3	78·9	78·6	79·8
5	79·9	79·6	79·4	79·3	79·5	79·7	79·5	80·0	80·2	80·4	79·9	80·1	80·5	80·8	80·7	81·2	81·2	80·9	80·5	80·7	80·6	80·8	80·3	79·1	80·2
6	80·4	80·0	79·2	78·2	76·9	77·0	76·4	75·0	75·2	75·3	77·4	78·7	79·2	79·4	79·5	79·9	79·9	80·3	80·4	80·3	80·2	80·2	80·0	80·4	78·7
7	81·0	81·7	82·0	82·5	82·7	83·1	82·8	82·8	82·9	83·0	82·5	81·9	81·5	81·6	81·6	82·1	82·1	82·3	81·9	82·0	81·6	81·5	81·2	81·0	82·0
8	80·5	80·9	80·5	80·4	80·0	80·4	79·0	79·6	78·8	79·5	78·8	79·8	79·7	79·6	79·2	78·7	78·3	79·1	79·3	78·7	77·5	77·4	77·9	78·0	79·3
9	77·5	78·1	78·2	78·4	78·6	79·4	79·5	78·3	77·1	77·1	78·0	78·8	80·0	80·9	81·1	81·0	81·2	81·5	81·6	81·6	81·7	81·9	82·2	81·9	79·7
10	82·0	81·9	82·1	82·2	82·5	82·5	82·5	82·6	82·8	82·9	83·1	83·3	83·3	83·3	83·3	83·2	82·8	82·8	82·8	82·9	82·8	82·8	82·6	82·7	
11	82·6	82·8	82·7	82·8	82·5	82·3	82·5	82·5	82·6	82·7	83·0	83·2	83·3	83·3	83·2	82·9	82·9	83·0	83·1	83·2	83·3	83·2	83·0	83·1	82·9
12	82·9	82·9	83·1	83·2	83·3	83·3	83·3	83·4	83·1	83·2	83·2	83·3	83·3	83·3	83·2	83·1	83·0	83·0	81·5	80·4	80·0	79·9	79·7	80·3	82·5
13	79·7	79·2	78·8	78·6	79·1	77·7	76·8	76·9	76·2	76·0	76·9	78·6	79·6	80·0	79·9	79·6	79·0	78·6	77·4	77·3	77·7	79·2	79·2	79·2	78·4
14	79·5	80·1	80·3	80·7	80·9	81·3	81·6	81·7	81·8	81·9	82·2	82·3	82·3	82·4	82·7	82·7	82·6	82·8	81·5	81·8	81·7	81·5	81·0	80·5	81·5
15	80·2	80·7	80·1	80·2	80·7	80·7	80·5	80·8	80·9	81·2	81·1	81·1	81·3	81·4	81·3	81·1	80·7	80·7	80·8	81·0	80·8	80·9	81·0	81·0	80·8
16	81·1	81·5	81·5	81·4	81·3	81·5	81·5	82·1	82·5	82·6	83·2	82·9	83·1	83·0	82·9	82·7	82·4	82·2	82·7	82·9	82·3	82·4	82·5	82·5	82·2
17	82·5	82·5	82·5	82·4	82·4	82·2	82·3	82·3	82·0	82·0	82·4	82·5	82·8	83·1	83·5	83·3	82·9	83·0	83·1	83·2	83·0	83·0	83·0	83·3	82·7
18	83·4	83·3	83·0	82·9	82·9	82·7	82·3	81·8	81·9	81·7	81·8	81·9	82·2	82·0	81·9	81·4	80·8	80·9	81·2	80·5	80·9	80·0	80·5	80·3	81·8
19	81·4	81·2	81·4	80·6	80·5	80·9	81·0	80·4	80·0	80·5	80·4	80·2	80·6	80·5	80·2	79·7	79·5	79·2	79·2	79·2	79·0	78·6	78·5	78·4	80·1
20	78·7	78·5	78·5	78·3	78·5	78·9	78·5	78·8	78·8	79·3	79·3	79·4	79·4	79·1	78·9	78·8	78·2	76·7	75·5	75·6	75·0	75·1	75·2	75·4	**77·9**
21	77·2	79·5	79·9	80·2	80·5	80·5	80·5	80·5	80·9	81·5	81·9	82·2	82·2	82·3	82·3	83·1	83·4	83·4	83·4	83·3	83·3	83·4	84·0	84·3	81·6
22	83·9	83·7	83·5	83·4	82·8	82·6	82·9	82·6	82·5	82·5	82·9	83·0	83·2	83·3	83·2	83·1	83·1	83·1	83·3	83·0	82·9	82·7	82·7	82·7	83·1
23	83·1	83·1	82·9	81·3	81·6	81·6	81·3	81·1	81·2	81·1	81·4	81·5	81·6	81·5	81·5	81·2	81·4	81·4	81·5	81·5	81·4	80·9	80·5	80·5	81·5
24	81·3	82·7	82·8	82·9	82·9	82·9	82·9	83·0	82·9	83·0	83·2	83·3	83·5	83·5	83·5	81·8	81·5	80·8	80·5	80·5	80·5	80·4	80·3	80·3	82·1
25	80·3	80·0	80·1	80·1	80·4	80·6	81·4	81·6	82·1	83·4	83·8	84·0	84·0	84·1	84·2	84·0	83·9	83·5	82·6	82·2	82·1	82·3	82·4	82·4	82·3
26	82·3	82·4	82·5	82·5	82·7	82·7	82·6	82·6	82·7	82·6	82·8	83·0	83·9	84·2	84·3	84·5	84·5	84·1	83·7	83·5	83·8	83·6	83·4	83·2	83·2
27	83·1	83·1	82·9	82·7	82·3	82·0	81·8	82·1	82·2	82·2	82·3	82·6	84·5	84·5	84·6	84·6	84·7	84·7	84·6	83·9	83·3	83·2	83·5	83·9	**83·3**
28	83·8	82·3	81·7	82·0	82·1	81·7	81·6	81·5	81·5	81·6	81·8	81·9	81·9	81·8	81·7	81·5	81·1	80·5	80·4	79·6	79·4	78·9	79·3	78·5	81·3
29	78·4	79·5	80·2	80·1	80·5	80·6	80·8	81·3	81·5	81·7	81·9	82·5	82·8	83·4	83·5	82·9	82·5	82·5	82·5	82·8	83·0	83·3	83·5	83·5	81·8
30	83·5	83·5	82·4	82·7	82·6	82·7	82·8	82·7	82·6	82·3	82·8	82·9	83·1	83·2	83·1	83·1	83·1	82·9	82·8	82·7	82·4	82·5	82·4	82·5	82·8
31	82·2	82·2	82·2	82·2	82·1	82·2	82·3	82·4	82·4	82·7	83·1	83·4	84·0	84·1	83·6	83·2	83·1	82·8	82·5	82·4	82·4	82·2	82·1	81·9	82·7
Mean ...	81·1	81·2	81·1	81·0	81·0	81·0	80·9	**80·8**	80·8	80·9	81·3	81·6	81·8	**81·9**	81·9	81·7	81·5	81·4	81·3	81·2	81·0	81·0	81·0	81·0	81·2
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, i.e., 275·0 degrees absolute is written 75·0

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

From readings in degrees absolute at exact hours, Greenwich Mean Time.

312. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1 \cdot 3$ metres. **1923.**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
82·51	82·45	82·38	82·30	**82·26**	82·27	82·47	82·80	83·19	83·56	83·98	84·29	84·51	**84·57**	84·55	84·42	84·18	83·81	83·47	83·21	82·98	82·83	82·69	82·60	83·26

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-periodic change.

313. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1 \cdot 3$ metres. **1923.**

Month	Mean.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	281·32	−0·20	−0·32	−0·32	−0·35	−0·42	−0·51	**−0·55**	−0·54	−0·48	−0·30	+0·01	+0·33	+0·51	**+0·61**	+0·56	+0·53	+0·30	+0·26	+0·28	+0·27	+0·18	+0·12	+0·01	−0·04
Feb.	280·97	−0·22	−0·26	−0·39	−0·52	−0·50	−0·53	**−0·66**	**−0·66**	−0·51	−0·19	+0·23	+0·69	**+0·95**	+0·92	+0·86	+0·72	+0·53	+0·30	+0·02	+0·03	−0·12	−0·23	−0·24	−0·23
Mar.	281·15	−0·88	−1·04	−1·13	−1·18	**−1·37**	−1·34	−1·19	−1·17	−0·39	+0·30	+1·04	+1·42	+1·62	+1·76	**+1·86**	+1·60	+1·35	+0·77	+0·17	−0·15	−0·28	−0·38	−0·61	−0·71
Apr.	281·13	−1·00	−1·38	−1·51	−1·75	−1·87	**−1·96**	−1·60	−0·68	+0·23	+0·66	+1·24	+1·53	+1·72	+1·77	**+1·78**	+1·74	+1·41	+0·95	+0·45	+0·02	−0·16	−0·38	−0·58	−0·73
May	282·90	−1·23	−1·28	−1·43	−1·46	**−1·48**	−1·29	−0·63	−0·11	+0·24	+0·66	+0·93	+1·23	+1·41	**+1·62**	+1·61	+1·50	+1·37	+1·04	+0·55	+0·09	−0·46	−0·76	−1·01	−1·12
June	285·69	−0·93	−1·14	−1·24	**−1·31**	**−1·31**	−1·19	−0·79	−0·32	+0·18	+0·55	+0·99	+1·10	+1·38	+1·43	+1·44	**+1·47**	+1·27	+0·82	+0·33	−0·06	−0·41	−0·65	−0·72	−0·77
July	**288·66**	−1·38	−1·44	−1·51	−1·53	**−1·65**	−1·34	−0·66	+0·10	+0·48	+0·78	+1·12	+1·49	+1·65	+1·65	**+1·74**	+1·68	+1·50	+0·92	+0·38	−0·08	−0·63	−0·90	−1·08	−1·23
Aug.	287·68	−1·07	−1·03	−1·10	−1·01	−1·09	**−1·15**	−0·75	−0·14	+0·31	+0·61	+1·08	+1·29	+1·43	**+1·44**	+1·38	+1·24	+1·08	+0·60	+0·17	−0·21	−0·47	−0·65	−0·85	−1·00
Sept.	285·74	−0·81	−0·84	−0·97	−0·99	**−1·02**	−0·98	−0·89	−0·32	+0·26	+0·55	+0·73	+1·00	+1·23	**+1·35**	+1·26	+1·16	+0·78	+0·37	+0·02	−0·22	−0·19	−0·35	−0·51	−0·66
Oct.	283·62	−0·40	−0·40	−0·41	−0·44	−0·36	−0·45	**−0·59**	−0·38	−0·19	+0·21	+0·55	+0·82	**+1·06**	+0·96	+0·92	+0·70	+0·45	+0·01	−0·18	−0·22	−0·24	−0·46	−0·46	−0·44
Nov.	**279·05**	−0·71	−0·58	−0·59	−0·69	−0·64	**−0·88**	−0·85	−0·84	−0·53	+0·01	+0·55	+1·08	+1·47	**+1·54**	+1·39	+1·10	+0·70	+0·37	+0·18	+0·01	−0·30	−0·41	−0·59	−0·77
Dec.	281·23	−0·12	−0·05	−0·10	−0·25	−0·24	−0·21	−0·31	**−0·42**	−0·39	−0·31	+0·08	+0·34	+0·62	**+0·71**	+0·65	+0·46	+0·29	+0·18	+0·05	−0·07	−0·28	−0·23	−0·22	−0·29
Year	283·26	−0·75	−0·81	−0·88	−0·96	**−1·00**	−0·99	−0·79	−0·46	−0·07	+0·30	+0·72	+1·03	+1·25	**+1·31**	+1·29	+1·16	+0·92	+0·55	+0·21	−0·05	−0·28	−0·43	−0·57	−0·66

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and minimum for the interval 0 h. to 24 h., Greenwich Mean Time.

314. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1 \cdot 3$ metres. **1923.**

Month	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·6	75·6	**85·5**	84·4	83·3	78·5	83·5	**74·3**	87·3	82·5	86·9	80·2	89·7	83·5	90·9	85·8	87·1	82·3	86·6	84·4	84·9	81·0	82·5	78·8
2	84·6	80·4	85·0	82·5	82·3	79·1	83·6	74·9	**90·3**	82·1	89·3	**79·9**	89·3	86·5	89·0	85·9	87·6	80·1	86·5	82·9	85·1	81·1	80·5	77·5
3	82·3	80·2	84·3	81·5	83·2	79·5	82·4	78·6	87·5	84·1	88·5	82·2	90·2	86·2	90·4	85·6	87·6	83·8	86·2	81·9	**86·1**	81·4	82·2	77·4
4	82·5	80·2	82·7	80·1	81·6	76·2	82·8	79·5	87·5	84·0	87·0	83·4	90·5	86·5	91·3	86·5	87·8	84·2	84·8	81·1	82·8	80·0	81·4	77·9
5	83·6	78·5	83·1	81·6	84·5	80·8	82·1	78·5	87·7	83·1	85·6	82·8	90·3	87·2	91·6	87·2	89·0	85·9	86·1	83·3	81·6	77·1	81·3	78·9
6	84·0	78·6	83·3	76·4	83·9	80·9	82·4	76·5	83·7	79·6	86·7	83·1	**94·5**	87·0	90·0	87·4	89·0	85·8	86·3	83·2	81·4	76·0	80·5	**74·5**
7	84·3	83·4	81·9	76·4	83·2	80·6	82·7	77·8	84·4	**77·2**	87·1	81·7	91·8	87·5	90·7	87·3	88·3	80·7	87·1	84·7	81·5	77·0	83·1	80·4
8	84·3	80·9	80·7	76·1	83·5	79·0	84·9	74·6	85·3	80·4	88·4	84·4	90·8	86·7	90·8	87·9	88·5	**79·7**	**87·9**	84·2	82·1	79·5	81·0	77·3
9	81·8	77·3	83·5	78·2	83·3	76·8	82·5	78·8	83·4	79·6	87·6	84·9	91·9	87·9	91·9	87·4	88·1	85·4	**87·9**	84·4	82·4	79·0	82·2	76·7
10	80·5	77·4	83·6	78·7	81·1	78·6	80·1	75·7	84·0	78·7	87·6	83·7	93·8	86·2	91·3	84·9	87·7	81·4	85·6	83·7	81·2	76·6	83·4	81·9
11	80·3	74·9	82·3	79·7	83·1	76·5	84·0	76·3	81·9	77·4	87·2	83·8	92·2	**83·4**	**92·2**	83·4	89·4	79·9	85·0	82·8	82·8	77·5	83·4	82·3
12	79·2	**73·7**	83·7	79·6	84·3	80·0	84·7	76·1	81·4	77·4	87·2	83·7	91·9	86·2	90·3	88·4	90·0	86·5	83·9	81·3	84·6	83·0	83·4	79·6
13	82·6	78·6	84·0	78·5	83·0	76·2	80·6	77·3	82·7	77·7	86·3	83·7	94·1	86·9	92·0	88·4	88·0	84·5	84·0	80·0	85·4	80·4	80·4	75·7
14	83·0	79·8	82·6	74·9	84·3	75·1	83·0	78·3	81·8	79·9	88·2	83·7	91·5	86·7	90·2	86·8	86·3	81·6	83·3	76·3	80·6	77·1	82·8	79·2
15	83·1	79·4	82·9	79·1	81·7	77·0	83·5	80·8	83·9	79·4	86·5	83·4	91·8	86·9	90·0	86·1	84·9	81·4	83·9	**75·9**	82·4	78·7	81·5	79·6
16	82·0	80·4	82·2	78·9	82·2	78·5	85·5	81·3	83·6	79·6	85·9	83·2	91·0	86·5	90·2	85·5	86·1	81·9	85·5	81·6	82·1	77·4	83·2	80·8
17	82·4	79·5	84·1	78·6	83·5	77·5	85·1	82·9	85·4	80·1	87·4	82·6	90·4	85·4	90·4	86·8	86·0	81·9	85·4	83·3	80·2	77·0	83·5	81·8
18	81·5	74·9	83·3	78·7	83·6	76·3	84·0	78·3	84·6	81·6	87·7	84·1	90·3	85·3	89·5	86·1	85·7	82·5	87·5	82·7	81·1	77·0	83·5	80·0
19	83·7	81·2	80·9	76·4	81·7	77·0	84·8	77·5	85·1	81·4	87·1	83·4	90·3	86·4	90·0	86·5	86·9	83·0	87·6	81·4	80·9	77·4	81·5	78·3
20	82·7	79·4	80·7	**73·7**	83·2	**74·9**	84·6	79·6	85·3	82·3	87·7	83·9	91·8	88·4	90·1	87·0	86·9	84·4	86·0	82·2	80·1	77·4	79·5	75·0
21	83·4	79·0	80·4	76·8	83·2	75·6	80·5	77·1	86·9	82·5	87·3	85·1	92·1	88·7	88·9	84·5	87·7	85·4	83·7	81·4	79·9	73·4	84·4	75·4
22	83·0	80·6	79·3	74·9	82·7	77·8	85·7	75·9	87·4	82·6	89·5	85·1	91·9	88·4	88·8	84·3	86·1	82·9	84·7	81·8	78·3	72·7	84·3	82·4
23	82·4	77·1	82·3	78·4	84·0	78·4	83·6	77·7	85·2	81·0	89·3	86·4	90·1	87·3	90·9	84·3	85·9	80·1	84·6	79·8	78·2	72·5	83·2	80·5
24	83·4	80·6	83·7	79·7	84·2	77·9	83·8	75·3	84·5	77·4	89·4	86·3	90·6	87·0	88·3	83·5	85·9	79·9	83·9	79·1	76·3	70·5	83·6	80·2
25	82·6	79·8	82·6	80·2	84·6	81·5	84·5	81·5	84·0	80·0	88·8	86·0	90·6	87·3	89·6	83·7	86·5	84·1	84·0	79·1	79·1	**70·4**	84·2	80·0
26	82·4	81·5	84·3	80·0	84·9	81·9	83·0	79·0	83·7	79·2	88·6	85·4	90·1	86·1	89·5	85·0	87·9	85·5	83·9	79·1	79·0	73·1	84·5	82·2
27	82·9	80·4	82·0	79·7	**85·6**	81·5	84·2	78·2	85·4	80·0	89·6	84·7	90·9	86·1	87·6	84·2	88·3	86·6	83·4	79·4	78·1	71·9	**84·9**	81·6
28	82·8	79·3	82·5	77·9	84·8	80·9	84·2	79·5	85·5	81·3	**90·9**	83·6	90·2	85·9	87·9	84·2	88·4	84·2	84·5	81·7	76·3	73·4	84·1	78·3
29	84·7	82·7	—	—	83·7	81·9	85·5	81·0	88·3	79·6	89·5	85·3	90·0	86·4	86·0	**82·0**	**90·4**	85·9	86·9	82·3	78·9	72·5	83·6	78·4
30	84·3	83·3	—	—	83·8	78·9	**86·0**	83·5	86·0	81·3	88·6	84·5	90·7	86·0	86·9	83·4	89·9	87·2	87·1	82·7	82·2	70·7	83·8	82·1
31	**85·2**	83·0	—	—	83·4	75·9	—	—	**90·8**	81·5	—	—	89·6	84·7	87·4	82·4	—	—	84·8	82·4	—	—	84·2	81·9
Mean	82·9	79·4	82·8	78·6	83·4	78·4	83·6	78·2	85·3	80·5	87·9	83·8	91·1	86·5	89·8	85·6	87·6	83·3	85·4	81·6	81·2	76·4	82·8	79·3

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

315. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

January, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	89	90	89	89	88	89	89	90	89	87	87	87	90	89	95	95	93	92	92	96	95	96	93	96	90·8	9·3
2	93	95	95	95	95	92	91	85	79	78	75	70	79	80	72	75	75	76	77	77	76	77	84	86	82·8	10·0
3	79	78	78	79	78	80	76	77	77	75	73	71	71	73	74	73	72	76	73	70	71	72	73	69	74·7	8·4
4	75	77	76	80	79	79	78	82	79	84	81½	82	82	79	81	78	84	84	87	91	91	92	92	93	82·3	9·0
5	95	93	95	96	91	93	91	84	69	71	71	68	69	65	68	66	66	67	70	73	68	76	71	74	77·5	8·1
6	69	73	75	74	76	73	76	79	78	80	77	78	79	80	84	85	92	93	93	96	97	99	97	97	82·9	9·0
7	99	97	97	97	97	97	95	96	96	97	99	99	99	99	96	99	99	99	97	97	96	97	99	96	**97·5**	**12·3**
8	96	97	95	84	79	78	72	72	77	77	72	71	75	81	76	76	79	83	79	82	82	89	92	83	81·4	9·2
9	83	87	78	77	74	63	62	63	71	72	68	77	80	77	84	73	71	76	71	69	76	79	66	65	73·8	7·1
10	68	71	74	64	66	69	71	67	67	73	76	66	61	71	73	69	73	72	67	75	77	73	76	68	**70·2**	**6·5**
11	69	69	72	66	67	81	80	71	76	72	72	73	72	76	81	81	81	79	81	83	87	88	89	91	76·9	7·0
12	89	91	89	93	91	91	91	93	91	93	91	91	88	86	82	86	81	79	84	85	84	83	83	83	87·6	6·9
13	89	91	91	93	94	94	95	95	95	96	93	95	97	97	99	99	97	97	100	100	100	100	97	97	95·6	10·3
14	97	96	96	96	95	95	93	95	91	88	81	73	71	71	70	70	73	76	72	73	72	74	73	75	82·4	9·2
15	76	77	79	81	81	81	81	82	83	87	91	92	95	99	96	96	93	95	95	96	95	93	95	95	88·5	11·0
16	95	95	96	96	96	97	95	95	96	96	96	97	97	96	96	93	92	89	91	91	93	95	95	95	94·7	10·3
17	95	95	95	95	95	95	95	96	95	96	93	91	91	93	93	93	95	97	96	87	83	85	86	90	92·8	10·1
18	90	91	87	88	88	88	90	89	91	91	91	91	78	68	69	72	79	72	72	78	80	84	85	86	83·3	7·9
19	92	92	93	95	93	93	93	93	95	92	92	93	91	91	89	89	93	95	96	96	96	95	89	82	92·5	10·9
20	74	65	74	76	78	73	72	77	77	79	73	71	71	71	71	76	73	75	79	80	80	82	87	85	75·7	8·1
21	85	80	79	79	84	92	93	95	93	93	91	88	87	86	87	82	81	86	87	87	84	87	88	87	86·7	10·0
22	87	82	87	87	87	85	75	81	85	91	89	81	80	79	83	87	83	84	85	85	87	89	87	91	84·8	9·9
23	91	91	91	91	91	91	94	94	95	94	97	93	95	95	93	92	92	91	91	91	91	93	93	93	92·6	9·5
24	91	91	89	93	89	93	93	95	93	93	91	89	85	88	83	86	87	88	79	78	83	83	89	87	88·3	10·1
25	87	84	84	83	86	89	89	93	93	91	93	92	87	88	88	89	93	85	83	84	82	82	85	85	87·3	9·6
26	84	84	83	84	81	83	77	81	79	82	82	79	77	79	78	78	82	83	81	85	84	85	84	83	81·6	9·2
27	83	84	84	83	86	84	83	85	79	81	78	82	83	84	84	83	82	83	79	83	83	83	95	91	83·4	9·4
28	91	91	93	93	91	91	91	92	91	89	92	87	85	82	81	82	86	85	86	87	88	87	87	86	88·2	9·7
29	86	87	86	83	86	86	86	87	87	88	91	93	95	96	96	96	96	96	97	95	95	95	93	93	91·1	11·2
30	92	93	93	92	91	92	92	93	92	91	91	81	85	87	91	92	93	93	95	97	97	97	95	93	92·0	11·7
31	93	93	93	93	96	96	96	96	95	92	91	91	91	91	93	95	95	96	93	91	93	92	91	92	93·3	**12·3**
Mean ...	86·5	86·5	86·6	86·3	86·1	86·5	85·6	86·2	85·6	86·1	85·1	83·6	**83·4**	83·8	84·1	84·1	84·9	85·2	84·8	85·7	86·0	87·4	**87·5**	86·5	85·6	†9·5
Vapour Pressure* ...	mb. 9·3	mb. 9·1	mb. 9·2	mb. 9·1	mb. 9·1	mb. 9·2	mb. **9·0**	mb. **9·0**	mb. 9·1	mb. 9·2	mb. 9·3	mb. 9·3	mb. 9·4	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·5	mb. **9·6**	mb. **9·6**	mb. **9·6**	mb. 9·5	mb. 9·4	mb. ‡9·3	

316. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

February, 1923.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	92	92	95	95	95	96	96	95	95	95	96	96	96	96	96	95	93	93	93	93	93	92	93	93	**94·3**	**13·0**
2	95	93	93	95	93	93	95	93	95	96	95	95	96	91	90	89	90	89	89	89	90	87	85	83	91·8	12·2
3	85	83	85	83	81	83	88	87	82	83	81	83	81	87	81	85	76	77	88	88	84	82	82	87	83·3	9·9
4	87	87	85	86	89	85	85	85	89	90	85	72	71	70	73	74	75	76	78	76	76	77	79	79	80·5	8·9
5	77	78	78	79	77	76	77	85	92	91	92	93	93	93	93	93	92	92	92	92	92	92	93	92	87·4	10·3
6	91	89	91	89	91	91	81	79	86	81	82	77	75	75	79	72	83	79	79	79	82	77	81	75	82·2	8·0
7	74	76	82	82	89	86	77	76	74	73	65	66	66	64	83	85	85	89	89	89	83	88	91	88	79·7	7·6
8	87	88	83	81	83	83	82	85	81	77	83	85	82	87	89	68	64	67	73	77	76	77	78	82	80·0	7·3
9	86	85	85	84	83	77	79	75	76	75	82	83	82	85	85	80	83	79	80	79	78	77	79	80	80·7	8·8
10	91	89	82	85	87	72	75	77	79	77	79	78	72	72	69	70	73	78	79	80	86	83	86	86	79·3	8·8
11	86	89	86	80	77	79	70	75	77	71	72	70	67	70	68	73	79	83	85	87	87	87	93	91	79·1	8·5
12	94	93	94	92	91	93	93	93	92	96	95	95	95	96	95	95	92	92	91	92	92	92	95	95	93·4	10·7
13	96	95	96	96	96	95	96	96	95	96	97	96	93	89	92	89	88	87	91	90	91	91	93	94	93·3	10·9
14	94	92	95	91	91	95	93	95	93	91	91	76	74	74	73	74	75	77	78	75	75	83	84	81	84·4	7·9
15	80	80	79	83	85	89	88	92	93	93	93	93	92	88	91	88	83	87	90	90	86	87	86	85	87·5	9·5
16	86	86	87	86	85	85	88	88	88	88	92	92	89	94	91	90	85	79	76	77	80	77	78	79	85·4	9·2
17	79	80	85	83	87	89	89	91	93	89	93	92	93	93	97	97	96	97	95	96	96	95	96	95	91·2	10·5
18	93	89	89	87	90	83	78	82	83	83	77	78	81	78	77	69	67	71	72	72	75	75	73	74	79·4	8·3
19	72	71	76	75	84	68	72	78	81	81	78	80	79	71	73	70	71	73	79	83	84	87	87	85	**77·2**	7·3
20	85	85	87	87	87	85	85	87	81	83	77	77	77	77	79	83	87	87	88	93	84	80	77	82	83·4	7·2
21	86	82	88	85	81	83	84	85	80	79	89	91	81	81	82	79	86	89	86	82	85	79	76	77	83·3	7·5
22	81	81	82	85	79	77	88	89	91	91	92	89	91	85	78	79	76	77	82	83	85	85	85	87	83·9	**7·1**
23	91	89	91	93	91	89	90	86	82	87	78	78	79	76	83	84	83	83	84	84	87	89	93	93	85·8	9·0
24	92	91	86	86	89	84	87	87	92	85	79	79	80	85	88	87	87	91	89	89	91	89	84	81	86·8	9·8
25	89	85	83	81	85	80	81	78	79	83	81	78	78	78	83	86	89	91	92	87	85	85	86	87	83·6	9·1
26	89	93	95	92	92	78	87	89	91	85	86	87	87	87	91	89	87	86	86	86	85	85	85	86	87·7	9·8
27	86	86	85	86	86	85	85	86	86	85	85	79	78	75	70	71	73	73	71	73	76	78	77	78	79·9	8·5
28	78	80	76	81	81	81	89	89	89	86	83	81	72	70	75	74	80	75	78	79	77	80	79	75	79·6	8·2
Mean ...	86·5	86·0	86·4	86·0	**86·6**	84·3	84·9	85·8	86·3	85·4	84·9	83·5	82·1	**81·7**	83·0	**81·7**	82·1	82·7	84·0	84·2	84·3	84·1	84·8	84·6	84·4	†9·1
Vapour Pressure* ...	mb. 9·2	mb. 9·2	mb. 9·0	mb. 8·9	mb. 9·0	mb. **8·7**	mb. **8·7**	mb. 8·8	mb. 8·9	mb. 9·0	mb. 9·2	mb. **9·4**	mb. 9·3	mb. 9·3	mb. **9·4**	mb. 9·2	mb. 9·1	mb. 8·9	mb. 8·9	mb. 8·9	mb. 8·8	mb. 8·9	mb. 8·9	mb. 8·9	mb. ‡9·0	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

317. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

March, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	79	80	75	76	74	78	81	79	76	76	78	82	85	82	89	83	81	76	76	76	72	72	67	65	77·6	8·4
2	72	72	82	81	81	75	73	75	70	77	79	78	70	80	77	73	75	72	77	77	76	71	73	76	75·3	7·9
3	78	77	79	79	80	78	74	81	76	74	75	73	73	75	72	77	75	75	73	71	71	75	71	64	75·1	7·7
4	63	67	69	69	70	73	80	79	83	77	75	70	68	69	67	68	69	71	78	77	73	78	83	91	73·1	7·3
5	92	97	92	96	92	91	91	87	85	81	80	78	79	76	77	76	78	82	81	85	88	85	87	84	85·1	10·3
6	84	85	84	86	86	91	89	84	84	77	76	76	79	77	73	73	78	76	82	85	75	75	74	73	80·3	9·5
7	77	77	70	76	69	71	73	73	70	69	70	69	67	68	68	69	69	73	76	76	79	80	84	84	73·0	8·3
8	85	85	92	91	91	91	86	85	84	77	75	67	68	65	67	67	71	75	73	81	79	72	68	68	78·0	8·5
9	68	69	73	73	70	75	79	85	77	71	67	67	66	66	68	68	73	72	73	73	76	73	72	69	71·8	7·3
10	69	70	69	74	77	76	81	82	83	81	86	86	89	87	87	87	86	89	91	90	89	91	86	85	82·6	8·2
11	86	87	91	91	92	91	91	89	93	93	89	89	87	86	89	89	87	87	89	89	93	92	95	96	**89·8**	8·9
12	95	96	93	95	93	92	92	91	93	96	81	76	71	69	74	71	73	75	77	72	73	63	68	73	81·8	10·0
13	73	67	68	73	72	67	73	78	81	65	66	68	62	65	67	70	67	72	76	79	84	85	87	85	72·7	7·5
14	87	85	85	87	85	87	70	67	68	64	62	62	59	56	58	62	75	81	85	82	72	71	70	79	73·4	7·3
15	70	73	73	66	65	65	63	66	67	67	64	61	59	63	60	60	65	66	72	76	75	79	77	81	**68·0**	**6·8**
16	83	85	86	85	86	87	86	78	79	77	75	71	70	69	66	65	68	68	70	69	72	72	72	74	75·7	7·6
17	73	77	75	76	81	76	73	73	72	74	68	70	71	67	65	65	65	71	75	73	76	77	79	72	72·7	7·6
18	76	76	77	81	83	85	83	85	83	80	75	73	74	72	72	73	80	82	84	69	72	64	68	70	76·6	7·9
19	72	75	80	75	83	77	74	73	71	71	67	67	68	63	63	69	72	73	72	73	69	69	73	73	71·7	7·1
20	76	78	79	80	83	85	83	85	87	80	77	78	71	70	71	70	76	79	77	85	86	85	82	83	79·2	7·6
21	88	87	87	87	87	85	87	89	93	86	76	70	76	76	76	75	75	73	77	72	79	80	78	85	81·0	7·9
22	82	85	85	86	85	88	87	91	90	86	75	72	73	71	69	71	65	71	75	77	82	82	85	85	79·9	8·0
23	87	87	87	87	87	87	86	86	85	79	73	68	71	78	76	78	78	77	85	86	85	87	89	90	82·4	8·8
24	89	88	91	89	82	79	81	77	74	72	69	68	69	70	68	70	68	69	72	71	72	77	83	81	76·4	8·5
25	82	83	82	87	92	85	81	81	81	68	68	67	65	65	64	65	65	72	76	75	74	73	70	72	74·9	9·1
26	74	72	72	73	73	72	71	76	77	72	74	74	73	74	76	76	74	76	83	86	87	89	89	89	76·8	9·7
27	91	91	93	95	95	93	95	95	95	95	91	84	83	80	81	83	78	84	89	89	89	88	87	85	88·8	**11·3**
28	87	83	82	76	78	77	77	76	77	78	73	77	76	75	73	74	75	76	82	85	83	85	89	88	79·2	9·5
29	89	91	89	88	87	87	87	87	83	84	81	78	79	80	81	79	81	85	86	87	88	91	91	92	85·4	10·5
30	95	95	92	95	93	95	95	92	89	87	79	76	75	71	75	73	72	73	78	82	83	84	89	89	84·5	9·8
31	91	91	92	92	89	93	89	90	89	85	78	82	89	88	75	72	73	67	70	70	73	72	76	78	82·1	8·2
Mean ...	81·1	81·6	82·1	**82·7**	82·6	82·3	81·6	81·8	81·1	78·0	74·9	73·5	73·1	72·7	**72·8**	72·6	73·8	75·4	78·4	78·6	78·9	78·6	79·4	80·0	78·2	†8·5
Vapour Pressure* ...	mb. 8·3	mb. 8·3	mb. 8·3	mb. 8·3	mb. 8·2	mb. **8·1**	mb. 8·2	mb. 8·2	mb. 8·5	mb. 8·6	mb. 8·7	mb. 8·7	mb. **8·8**	mb. **8·8**	mb. **8·8**	mb. 8·7	mb. 8·7	mb. 8·5	mb. 8·5	mb. 8·4	mb. 8·3	mb. 8·3	mb. **8·1**	mb. 8·2	mb. ‡8·4	

318. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

April, 1923.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	85	84	87	88	87	87	87	73	67	63	63	59	59	59	65	66	69	73	83	82	79	82	83	88	75·5	7·2
2	87	89	88	87	89	89	89	91	82	80	76	75	72	69	69	70	71	76	78	85	85	85	82	87	81·3	8·0
3	86	86	87	87	81	82	85	82	82	79	81	87	83	78	82	84	86	86	91	87	91	92	87	84	84·9	9·1
4	84	83	78	76	75	76	75	77	77	69	69	66	67	65	65	70	67	67	68	75	73	79	73	72	73·0	7·9
5	76	78	76	73	78	79	77	71	69	66	65	68	70	68	68	70	73	75	69	68	65	73	74	76	71·8	7·3
6	74	82	76	74	76	80	83	81	73	67	64	64	61	61	70	67	68	76	79	82	83	82	83	86	74·5	7·4
7	87	89	87	88	88	81	88	81	77	74	72	67	69	67	67	69	71	71	70	72	68	73	72	73	76·1	7·4
8	75	79	84	85	87	83	87	79	71	67	64	66	64	65	69	69	72	75	75	78	72	74	83	78	74·9	7·7
9	75	73	73	73	76	80	79	78	72	71	67	62	66	66	63	60	59	58	61	61	58	54	57	60	67·1	7·1
10	63	69	69	72	71	73	76	72	71	67	69	65	62	61	61	60	67	82	85	85	85	85	85	85	72·0	**6·1**
11	88	85	87	87	88	88	88	89	90	90	87	87	87	79	81	82	82	84	83	84	89	86	85	86	85·9	8·5
12	87	89	88	89	87	85	83	78	71	70	69	67	70	72	75	70	72	71	79	83	84	86	82	83	78·8	8·4
13	85	88	88	89	88	86	89	86	85	91	89	89	87	87	87	83	78	73	76	73	70	71	76	75	83·0	8·0
14	75	77	79	79	81	85	81	86	79	82	83	85	81	89	91	87	89	91	93	91	92	91	91	93	85·1	9·0
15	89	89	85	84	83	84	81	83	79	83	82	83	80	78	79	80	82	83	83	82	82	81	82	81	82·7	9·4
16	83	83	84	81	84	84	86	85	82	79	79	81	79	78	79	75	73	68	76	76	65	72	68	66	78·1	9·6
17	68	75	79	78	73	78	83	86	85	85	84	84	78	85	87	89	89	87	87	87	87	87	87	89	82·7	10·7
18	91	95	96	95	96	95	96	95	95	93	92	87	86	81	82	80	81	81	81	84	89	90	89	89	89·1	10·3
19	91	93	83	82	82	80	75	72	70	67	65	63	61	61	61	57	59	59	64	68	71	72	73	74	71·3	8·2
20	76	74	75	75	77	78	76	76	70	74	72	72	70	70	68	72	69	66	68	71	70	69	65	67	71·8	8·5
21	67	73	75	76	79	75	74	74	68	67	60	60	61	60	57	57	59	58	58	60	63	62	69	71	**65·9**	**6·1**
22	73	77	81	81	81	82	84	86	80	80	71	65	64	63	57	59	61	60	60	61	70	74	79	77	71·8	7·7
23	77	76	69	73	75	71	69	71	73	68	76	83	76	73	72	72	68	71	75	73	70	68	68	68	72·5	7·7
24	76	74	71	76	76	70	78	70	63	60	59	60	61	62	67	72	73	84	86	87	91	89	92	95	74·1	7·5
25	95	92	92	91	91	89	82	84	78	87	81	77	74	85	75	73	77	75	76	77	81	85	83	83	82·9	10·0
26	82	77	75	77	76	85	77	75	75	73	66	72	71	65	64	65	65	64	62	62	69	71	76	75	71·8	7·7
27	78	86	84	76	76	87	83	82	77	72	60	69	67	71	69	73	70	73	74	76	77	79	82	86	75·9	8·2
28	84	87	89	90	85	87	88	79	80	80	82	85	81	91	86	83	79	81	83	87	89	89	87	89	85·0	9·8
29	89	92	91	91	91	86	89	88	84	83	83	85	89	89	93	95	95	93	93	93	95	96	96	95	90·4	11·3
30	96	96	96	96	95	95	97	96	97	97	97	96	95	93	94	90	88	88	88	90	89	92	92	91	**93·5**	**12·6**
Mean ...	81·4	**83·0**	82·4	82·3	82·4	82·7	82·8	80·9	77·4	76·1	74·2	74·3	**73·0**	**73·0**	**73·4**	73·3	73·7	75·0	76·8	78·0	78·4	79·6	80·0	80·7	78·1	†8·5
Vapour Pressure* ...	mb. 8·1	mb. 8·1	mb. 8·0	mb. 7·8	mb. **7·7**	mb. 7·8	mb. 8·0	mb. 8·3	mb. 8·4	mb. 8·6	mb. 8·6	mb. **8·8**	mb. **8·8**	mb. **8·8**	mb. **8·8**	mb. **8·8**	mb. **8·8**	mb. 8·7	mb. 8·6	mb. 8·4	mb. 8·3	mb. 8·4	mb. 8·3	mb. 8·3	mb. ‡8·4	Mean.
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	--

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

319. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

May, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	m.b.
1	91	92	92	92	92	91	90	87	85	82	80	80	81	80	80	81	80	80	84	87	90	89	92	91	86·2	11·8
2	93	92	93	92	91	91	82	83	81	76	73	72	71	71	69	73	70	70	72	76	77	79	85	82	79·9	12·1
3	83	88	87	88	91	92	91	91	90	85	81	85	87	87	83	82	85	88	89	89	92	90	90	89	**87·5**	**12·5**
4	89	87	87	86	87	85	89	90	91	88	83	83	78	74	78	81	82	86	88	89	90	89	88	89	85·7	12·2
5	87	84	87	89	89	88	89	81	80	77	85*	78	75	72	72	70	73	75	80	87	88	91	90	86	82·3	11·5
6	87	88	87	91	92	92	91	92	92	89	89	80	76	73	66	67	66	68	70	71	72	71	75	77	80·3	9·5
7	81	81	80	83	83	84	77	70	67	66	64	60	62	61	62	66	68	73	73	77	79	81	83	84	73·4	8·0
8	86	85	81	85	82	87	88	86	81	77	72	72	73	71	71	70	69	71	72	77	79	82	82	82	78·4	9·6
9	85	85	79	73	75	72	70	71	72	80	67	80	81	86	74	67	59	66	62	68	65	68	62	61	72·4	7·9
10	71	72	79	77	77	82	77	75	64	66	69	64	69	64	72	79	87	91	89	88	89	88	89	80	77·0	8·6
11	75	69	73	79	75	71	70	67	59	69	69	73	71	79	75	64	60	66	67	64	75	76	75	75	**70·8**	**7·2**
12	73	80	80	83	77	72	75	77	87	71	78	78	85	76	83	83	85	86	87	80	81	79	81	79	79·7	7·5
13	83	79	76	81	69	75	83	76	73	70	69	70	65	64	65	77	75	71	70	70	71	73	72	68	72·9	7·5
14	68	76	63	66	71	71	75	83	83	81	83	87	84	83	84	86	86	81	83	76	74	71	74	73	80·6	8·4
15	79	81	80	76	76	77	78	77	73	65	70	69	64	65	64	65	78	76	73	73	78	77	77	76	73·6	8·1
16	76	77	80	83	81	72	77	74	70	69	67	67	69	73	65	68	70	69	67	66	75	80	75	78	72·8	7·7
17	80	76	77	80	76	76	72	68	65	68	66	66	69	70	72	72	77	81	87	85	83	87	87	88	76·0	9·1
18	87	89	87	89	89	88	86	85	80	77	79	72	72	74	76	82	79	75	79	79	84	83	85	83	81·7	9·9
19	81	81	76	79	81	87	85	75	78	72	75	73	73	75	77	79	82	82	81	85	88	85	91	91	80·3	9·8
20	93	93	95	93	93	93	93	92	87	81	81	78	78	78	78	79	82	83	78	85	87	86	87	86	85·9	11·0
21	72	78	78	75	80	75	81	83	80	81	83	82	82	80	83	87	88	92	91	85	82	83	89	89	82·4	10·9
22	91	92	92	92	93	95	93	95	93	92	92	91	88	84	86	89	89	89	90	89	91	89	87	83	90·3	12·1
23	86	89	82	88	85	83	78	75	72	68	67	65	65	62	63	63	60	65	68	68	72	66	76	77	72·7	8·7
24	76	76	79	79	83	81	81	73	68	66	65	60	68	72	74	73	76	79	81	88	92	95	93	92	77·6	8·9
25	91	79	75	70	71	75	71	70	75	72	78	73	71	70	68	65	64	64	67	71	69	67	70	74	72·0	8·5
26	76	79	77	74	74	79	79	74	70	68	66	69	64	65	63	64	76	71	76	78	71	80	79	79	72·9	7·9
27	75	71	73	72	75	80	73	71	73	75	73	71	67	65	69	68	66	66	73	75	78	80	81	83	72·9	8·5
28	85	81	83	78	82	81	77	77	77	76	73	70	70	69	65	61	62	69	70	71	68	69	70	68	73·3	9·2
29	72	68	76	77	82	85	72	73	68	65	64	66	61	61	59	67	64	56	61	59	57	72	75	77	68·0	8·9
30	76	73	75	78	77	78	71	68	68	66	67	66	66	65	65	67	70	72	70	71	76	78	78	80	71·6	8·9
31	78	77	74	72	66	66	69	66	61	65	64	63	63	57	53	55	55	61	61	63	73	71	71	74	65·8	10·0
Mean ...	**81·5**	81·2	80·7	81·3	81·1	81·4	80·1	78·2	76·2	74·3	73·9	73·0	72·5	71·8	**71·4**	72·6	73·6	74·9	76·1	77·1	78·9	79·8	80·9	80·5	77·2	†9·4
Vapour Pressure* ...	mb. 9·0	mb. 9·0	mb. 8·9	mb. **8·8**	mb. **8·8**	mb. 9·0	mb. 9·3	mb. 9·4	mb. 9·4	mb. 9·4	mb. 9·5	mb. 9·6	mb. **9·8**	mb. 9·7	mb. 9·5	mb. **9·8**	mb. **9·8**	mb. 9·7	mb. 9·6	mb. 9·4	mb. 9·3	mb. 9·2	mb. 9·1	mb. 9·0	mb. ‡9·3	

320. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

June, 1923.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	m.b.
1	74	70	73	77	79	81	75	72	67	66	67	66	66	67	66	65	67	66	69	73	75	76	72	74	**71·0**	**9·4**
2	82	84	86	87	89	87	86	74	72	69	72	63	68	73	72	69	69	74	76	76	81	82	84	88	77·3	10·4
3	89	90	91	91	91	93	96	92	86	78	73	69	70	79	77	77	78	78	79	78	83	83	83	87	83·0	11·4
4	89	91	93	92	91	85	82	79	79	75	73	71	71	68	72	68	69	73	77	76	77	79	80	79	78·9	10·8
5	84	87	89	91	91	88	87	82	82	83	79	78	81	77	78	74	75	74	75	77	82	84	76	70	81·2	10·5
6	79	72	75	76	80	80	82	79	79	75	81	80	74	78	78	77	81	82	84	85	87	87	87	89	79·9	10·7
7	88	89	92	92	91	92	92	90	88	78	82	80	87	89	87	91	90	91	92	90	90	88	88	90	88·6	12·0
8	91	91	92	92	92	93	93	95	95	93	94	89	88	84	84	83	84	88	88	90	91	92	93	94	90·3	13·2
9	95	95	94	93	94	94	95	95	95	95	95	94	92	92	93	91	91	91	92	83	83	82	83	82	**91·5**	14·0
10	83	85	84	82	83	84	83	81	77	77	78	76	79	79	77	78	78	82	83	85	85	85	83	81	81·2	11·8
11	79	77	78	78	65	65	71	72	69	69	69	70	70	68	71	69	67	74	78	79	81	79	83	82	73·4	10·2
12	83	86	87	89	89	88	87	87	82	81	80	82	82	85	93	93	92	92	93	95	96	96	96	95	88·4	12·6
13	95	95	95	95	93	93	95	95	96	95	95	87	82	78	80	78	76	76	79	77	81	81	79	78	86·8	12·2
14	81	83	83	85	85	84	82	82	81	80	77	77	76	75	76	71	78	81	83	87	91	95	95	95	82·3	11·9
15	97	96	97	96	96	96	96	97	97	95	94	95	95	94	93	93	90	92	88	82	77	75	78	75	91·4	12·9
16	76	76	81	79	79	83	89	88	83	79	77	77	77	77	78	84	81	78	81	74	77	82	80	78	79·7	10·5
17	86	89	79	86	80	88	86	77	75	74	73	72	76	76	79	80	83	88	92	95	93	92	93	93	83·2	11·3
18	93	93	96	96	96	96	95	93	93	90	90	88	86	85	83	85	88	91	92	93	95	93	91	86	91·3	13·1
19	85	84	84	82	82	79	78	73	77	76	74	74	72	74	72	70	70	71	75	77	80	82	74	79	77·0	10·7
20	78	71	74	72	74	70	68	67	68	69	70	72	70	71	74	70	71	79	81	87	89	91	90	93	75·5	10·7
21	94	93	95	90	93	95	94	94	96	94	93	91	91	92	93	94	92	89	93	94	95	94	95	94	93·2	14·2
22	93	90	91	92	91	91	91	92	89	84	80	81	79	80	83	85	84	84	86	89	92	92	93	92	87·7	13·7
23	92	91	89	89	91	93	93	92	91	89	87	86	84	81	80	78	80	81	84	87	87	92	92	91	87·5	**14·3**
24	91	93	91	91	90	91	88	83	79	81	71	77	75	79	76	67	70	76	76	81	85	85	86	86	82·1	13·4
25	88	89	89	87	88	86	82	81	80	82	82	80	79	76	77	77	76	79	74	80	83	83	85	86	82·0	13·1
26	85	86	87	88	89	91	91	91	95	91	91	91	89	87	84	86	82	82	86	85	86	87	88	89	87·7	13·3
27	89	90	91	90	90	91	89	87	83	78	78	82	79	76	75	72	75	77	79	79	81	84	83	84	82·7	13·0
28	82	85	85	86	89	85	82	73	72	71	70	68	67	67	66	70	67	71	77	79	80	84	85	84	76·9	12·6
29	85	86	87	87	88	87	85	85	82	77	76	74	73	73	70	69	75	75	77	78	77	78	78	82	79·4	12·5
30	88	85	82	80	81	85	82	84	88	87	89	87	94	86	92	92	85	78	76	76	81	83	82	79	84·3	12·8
Mean ...	86·5	86·4	87·0	87·0	87·0	**87·1**	86·5	84·4	83·2	81·0	80·3	79·2	79·1	78·9	79·3	**78·5**	78·8	80·4	82·2	82·9	84·7	85·5	85·2	85·2	83·2	†12·1
Vapour Pressure* ...	mb. 11·8	mb. 11·7	mb. **11·6**	mb. **11·6**	mb. **11·6**	mb. 11·7	mb. 12·0	mb. 12·0	mb. 12·2	mb. 12·2	mb. 12·5	mb. 12·3	mb. 12·6	mb. 12·6	mb. 12·6	mb. **12·7**	mb. 12·5	mb. 12·3	mb. 12·2	mb. 12·0	mb. 12·0	mb. 12·0	mb. 11·8	mb. 11·7	mb. ‡12·1	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

321. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres. **July, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	83	86	86	86	90	91	89	82	83	81	83	79	81	77	78	76	75	78	81	88	90	91	93	92	83·9	13·1
2	91	91	91	91	91	89	88	88	90	85	85	83	81	85	84	82	82	87	91	91	92	92	92	93	88·1	14·6
3	93	94	94	94	94	94	94	95	94	92	82	76	73	73	73	71	77	78	79	81	85	86	87	88	85·4	14·3
4	89	91	93	93	93	93	87	83	78	79	74	78	74	81	75	78	84	85	84	86	87	88	91	91	84·7	14·7
5	93	93	94	93	93	93	96	95	96	94	94	89	86	89	89	92	93	91	89	83	86	87	86	85	90·9	15·5
6	86	81	82	83	83	87	85	80	75	76	75	81	81	79	77	79	74	79	86	85	91	89	89	89	82·1	15·7
7	90	88	89	91	91	91	89	93	97	93	89	86	86	86	89	83	79	81	84	85	88	89	91	91	88·3	16·2
8	89	93	93	93	94	89	85	81	76	80	81	88	91	92	95	95	97	95	97	96	96	96	97	97	91·0	15·9
9	97	95	96	97	97	95	95	93	88	86	87	91	87	83	80	78	73	75	78	81	86	85	87	87	87·6	16·6
10	83	82	82	80	79	75	75	70	64	69	68	73	73	73	72	67	72	75	80	81	84	85	87	86	76·5	14·8
11	83	87	89	90	89	89	88	84	81	73	79	81	79	79	75	78	75	75	75	81	84	87	89	91	82·4	14·6
12	90	92	93	93	94	95	94	94	89	86	82	81	79	75	78	76	71	71	77	75	76	77	79	83	83·5	15·2
13	85	84	80	85	85	78	73	70	70	69	69	65	66	68	65	68	67	65	70	75	76	80	85	85	74·3	14·7
14	86	91	91	91	91	93	86	77	75	77	78	79	77	77	76	77	77	81	82	83	81	82	85	87	82·5	14·8
15	86	86	87	90	93	94	93	94	97	95	95	92	91	91	91	90	87	82	85	90	91	92	93	93	90·6	16·4
16	86	85	83	85	87	86	82	77	81	84	76	74	68	67	71	73	72	72	77	76	82	83	81	83	79·0	13·7
17	83	85	82	83	87	89	85	84	71	68	70	69	72	69	69	69	72	69	69	69	75	82	86	82	76·6	12·8
18	89	83	82	77	76	78	75	69	71	67	65	67	77	69	72	70	75	78	80	82	84	84	84	84	76·5	13·0
19	86	89	89	87	93	95	96	97	98	98	94	91	91	91	92	91	93	93	95	97	95	96	97	97	93·1	16·4
20	98	98	98	97	98	98	98	95	94	93	93	93	91	87	85	87	90	91	92	91	90	91	88	89	**92·9**	**17·5**
21	91	92	93	94	94	95	95	93	93	93	91	86	86	87	85	85	84	91	91	94	94	95	93	95	91·1	17·4
22	95	95	94	95	95	94	94	91	90	85	78	77	79	77	81	82	85	85	84	88	89	92	91	90	87·9	16·7
23	92	91	91	92	95	95	97	95	97	98	97	98	98	95	92	89	85	84	81	81	87	87	87	92	91·5	16·5
24	92	93	92	92	91	91	87	89	93	94	94	97	94	92	94	90	90	92	91	93	93	92	91	93	92·1	16·3
25	98	97	97	98	99	97	95	94	93	84	80	77	75	79	73	74	69	74	69	70	74	66	73	70	82·8	14·9
26	69	68	71	78	74	70	73	73	66	69	71	69	68	70	67	68	69	71	73	75	75	79	82	81	**71·8**	**12·0**
27	82	83	82	88	91	93	95	95	94	93	93	94	93	91	89	91	92	92	93	94	94	93	94	94	91·1	16·1
28	92	93	94	90	94	92	88	84	83	83	79	77	79	76	77	78	79	79	80	84	85	87	86	89	84·6	14·4
29	88	88	91	92	91	86	87	84	85	80	88	85	91	91	93	92	89	87	84	82	85	84	86	87	87·4	14·7
30	88	89	84	85	87	87	88	87	87	91	94	87	86	80	76	75	79	79	83	84	86	87	87	88	85·1	14·4
31	88	90	89	91	91	91	91	91	90	90	86	86	83	79	82	77	71	79	79	80	81	82	82	78	84·7	13·2
Mean ...	88·4	88·8	88·8	89·5	**90·3**	89·8	88·5	86·4	85·1	84·0	82·9	82·2	81·8	80·9	80·4	80·0	**79·9**	81·1	82·5	83·9	85·9	86·6	87·7	88·1	85·2	†15·1
Vapour Pressure* ...	mb. 14·2	mb. 14·3	mb. 14·2	mb. **14·2**	mb. 14·3	mb. 14·6	mb. 14·9	mb. 15·2	mb. 15·4	mb. 15·5	mb. 15·7	mb. 15·8	mb. **16·0**	mb. 15·9	mb. 15·8	mb. 15·7	mb. 15·6	mb. 15·2	mb. 15·0	mb. 14·7	mb. 14·5	mb. 14·5	mb. 14·5	mb. 14·4	mb. ‡15·0	

322. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres. **August, 1923.**

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	78	79	81	82	86	84	78	79	76	85	78	75	72	73	73	71	65	70	79	81	77	78	82	85	77·6	13·4
2	83	86	84	85	87	87	92	94	92	90	84	88	87	83	74	73	75	78	80	80	84	84	82	87	84·1	13·8
3	86	87	86	85	85	87	83	78	75	78	76	77	77	76	75	75	73	75	77	84	86	89	90	82	81·0	13·6
4	82	81	81	77	81	77	81	78	74	73	74	70	70	69	73	73	73	76	79	79	79	80	89	91	77·3	13·9
5	93	95	95	96	96	95	96	92	91	87	85	83	80	79	78	76	78	75	77	79	84	91	92	93	86·9	16·1
6	93	94	94	94	93	93	92	92	94	95	95	93	94	90	91	92	92	95	95	95	95	97	94	94	93·7	16·5
7	95	96	97	94	95	95	95	95	95	90	85	83	77	78	79	78	78	76	80	87	84	85	90	91	87·5	15·5
8	95	97	96	97	95	96	98	97	95	95	94	95	97	97	97	98	98	97	95	94	97	98	97	95	96·2	17·4
9	96	96	96	96	95	96	96	94	94	89	87	86	81	84	84	87	85	86	88	90	91	92	93	93	90·7	16·7
10	94	95	96	96	95	94	90	85	78	79	76	75	76	77	75	76	75	80	81	87	88	88	89	91	84·9	15·3
11	91	92	92	93	92	92	93	92	83	79	80	79	77	77	76	75	79	88	88	88	83	79	81	87	**84·9**	14·7
12	91	93	95	95	97	97	95	95	97	97	95	94	95	95	95	95	97	97	97	97	97	98	98	**95·6**	**17·7**	
13	97	97	97	95	98	97	97	97	97	97	97	93	93	92	87	86	84	86	86	87	91	90	90	87	92·6	**17·7**
14	89	91	91	91	90	91	90	87	81	81	79	77	76	64	73	71	79	78	77	79	81	80	80	76	81·6	14·4
15	77	79	75	76	78	76	74	72	68	66	67	66	67	69	69	63	68	71	69	71	71	76	76	78	71·7	11·8
16	75	75	80	79	85	81	85	85	82	75	72	71	73	77	75	79	78	84	82	81	86	89	89	90	80·1	13·3
17	92	91	87	88	90	89	89	90	89	85	83	80	83	84	84	84	92	93	93	91	92	91	92	92	88·5	15·3
18	88	89	84	87	86	87	82	88	80	79	80	80	85	79	79	90	84	86	84	86	86	85	83	85	84·4	14·0
19	86	85	84	85	88	85	86	82	82	83	81	77	80	84	85	89	93	94	95	95	96	96	96	97	87·4	14·7
20	97	97	96	97	99	96	94	94	94	90	90	90	93	95	94	95	94	94	93	93	90	90	92	93	93·8	16·4
21	93	94	89	81	86	81	85	77	76	77	77	79	74	77	89	79	78	89	88	87	83	82	82	79	82·9	12·8
22	81	82	81	82	80	78	79	71	74	74	72	70	72	74	77	82	73	76	79	82	85	89	87	87	78·5	12·3
23	89	90	86	86	88	89	89	92	94	94	91	79	78	77	77	74	76	79	83	81	82	83	83	88	84·5	13·8
24	86	83	88	85	80	83	77	75	75	72	71	72	73	72	68	69	70	73	75	78	81	86	90	90	78·0	12·0
25	87	87	90	92	95	94	95	93	92	91	92	92	94	95	95	93	91	88	87	89	91	87	87	84	91·0	14·7
26	88	87	91	91	88	88	86	82	83	89	86	83	81	79	75	81	76	77	80	75	79	79	81	78	82·7	13·3
27	76	80	77	76	83	78	80	81	80	80	85	85	89	85	80	77	76	75	69	70	73	76	74	72	78·3	11·5
28	79	74	77	75	80	85	78	72	84	74	71	73	69	70	70	73	73	75	79	82	81	79	77	84	76·2	11·2
29	87	86	86	87	86	91	89	88	84	80	80	72	68	72	65	64	64	71	69	71	73	69	71	74	77·2	**9·9**
30	75	71	69	72	75	74	70	73	72	75	73	69	69	70	77	73	76	79	77	76	77	83	79	85	**74·3**	10·4
31	85	83	82	82	87	89	88	75	74	72	70	72	71	71	72	69	68	72	77	76	78	78	81	82	77·4	10·8
Mean ...	87·2	87·5	87·2	87·0	**88·4**	87·9	87·2	85·3	84·0	82·9	81·5	79·9	79·7	79·5	**79·4**	**79·4**	**79·4**	81·7	82·5	83·6	84·5	85·4	86·0	86·7	83·9	†14·0
Vapour Pressure* ...	mb. 13·4	mb. 13·5	mb. **13·4**	mb. 13·5	mb. 13·6	mb. 13·6	mb. 13·7	mb. 13·9	mb. 14·2	mb. 14·3	mb. 14·4	mb. 14·4	mb. **14·5**	mb. 14·3	mb. 14·3	mb. 14·1	mb. 13·9	mb. 14·1	mb. 13·8	mb. 13·7	mb. 13·7	mb. 13·5	mb. **13·4**	mb. 13·5	mb. ‡13·9	

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

323. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

September, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	79	77	76	77	77	77	79	78	77	79	76	68	69	67	70	67	71	69	71	77	81	81	78	82	75·1	10·5
2	84	86	87	86	90	90	89	81	82	76	71	70	71	73	74	75	75	78	81	87	88	88	89	91	81·6	11·1
3	89	91	93	92	91	91	87	86	87	89	88	89	95	95	94	95	96	96	97	96	96	96	93	95	92·3	13·8
4	88	82	89	85	81	77	79	74	69	67	68	69	71	72	69	73	76	75	78	79	80	81	82	81	77·2	11·4
5	82	79	77	79	79	81	82	81	83	82	79	79	78	78	79	79	78	81	82	80	78	80	81	79	79·9	12·8
6	82	85	88	90	93	95	96	95	96	97	96	95	95	97	97	98	95	96	95	96	95	95	94	93	93·6	15·4
7	94	95	95	92	89	88	95	94	90	82	69	67	64	64	66	63	69	73	74	79	83	87	88	89	81·3	12·1
8	91	91	89	94	90	89	91	91	86	81	77	76	74	77	80	80	83	85	86	88	87	88	89	85	85·4	12·9
9	86	90	89	88	88	91	92	95	93	93	92	92	93	94	93	92	89	90	90	82	83	83	80	82	89·2	13·7
10	85	84	84	83	85	86	85	81	81	77	69	64	68	72	68	73	70	74	79	85	84	88	88	89	79·1	11·3
11	91	93	93	93	96	95	93	93	85	84	80	79	76	78	80	79	81	81	83	84	85	88	92	95	86·4	12·2
12	94	93	93	93	93	93	93	95	95	93	91	90	89	86	85	85	89	91	92	91	92	90	91	94	91·3	15·3
13	93	94	92	91	88	87	93	91	90	93	95	94	93	92	92	87	81	87	86	75	78	76	75	88	88·1	13·6
14	81	82	85	79	82	80	79	80	77	76	75	74	70	69	67	69	68	68	68	80	76	79	73	80	75·9	10·4
15	84	87	85	83	84	81	84	71	69	65	76	76	77	70	71	61	63	71	73	66	66	75	72	74	74·5	**9·1**
16	66	65	78	72	73	70	75	73	65	67	75	65	69	69	69	71	72	75	78	78	75	77	76	76	**72·0**	9·6
17	83	86	78	80	82	81	80	94	95	93	89	82	84	85	88	84	87	79	82	74	73	73	77	76	82·7	11·0
18	77	78	75	75	77	79	86	81	76	67	77	75	78	70	67	67	68	72	76	78	73	81	79	82	75·5	9·9
19	86	84	87	85	87	83	84	85	85	82	82	88	82	83	80	81	83	87	88	89	85	82	74	69	83·6	11·9
20	71	77	67	64	69	68	66	64	67	68	66	69	72	76	76	81	83	93	95	93	93	91	85	80	76·2	10·9
21	80	86	83	83	86	86	85	85	81	83	85	86	87	89	88	84	80	84	85	83	85	89	85	84	84·6	13·0
22	88	82	79	86	87	85	87	83	76	76	90	78	75	80	75	77	74	77	85	91	91	91	90	89	82·6	11·1
23	86	89	88	78	78	73	71	73	74	78	72	72	73	69	64	71	69	73	73	78	80	83	89	87	76·7	10·1
24	91	92	92	87	85	84	82	84	80	79	85	91	90	89	91	90	90	91	89	85	87	88	85	85	87·2	11·5
25	85	84	84	84	86	90	89	89	87	88	87	81	78	80	81	82	82	88	93	94	93	91	91	91	86·5	12·4
26	91	93	95	95	93	93	93	93	92	88	88	87	87	87	87	86	87	88	91	92	91	91	93	93	90·5	14·1
27	94	95	96	94	94	94	94	94	94	94	95	95	96	96	97	97	96	96	95	96	95	96	96	97	**95·2**	15·5
28	95	96	95	96	97	97	95	93	95	93	96	93	90	85	85	89	92	95	96	96	97	97	99	97	94·1	14·5
29	99	99	100	99	99	97	96	97	97	95	94	93	93	82	82	89	93	94	95	94	92	84	84	84	93·2	**15·8**
30	79	79	78	79	82	80	80	82	81	84	90	90	90	92	91	93	94	95	96	96	96	96	96	96	87·9	15·3
Mean ...	85·8	**86·5**	86·3	85·4	86·0	85·4	86·0	85·2	83·5	82·3	82·4	80·9	80·9	80·5	**80·2**	80·6	81·1	83·4	85·1	85·4	85·3	86·2	85·5	86·1	84·0	†12·4
Vapour Pressure* ...	mb. 11·9	mb. 11·9	mb. 11·7	mb. **11·6**	mb. 11·7	mb. **11·6**	mb. 11·8	mb. 12·1	mb. 12·3	mb. 12·4	mb. 12·6	mb. 12·6	mb. 12·8	mb. **12·9**	mb. 12·7	mb. 12·7	mb. 12·4	mb. 12·4	mb. 12·4	mb. 12·3	mb. 12·3	mb. 12·3	mb. 12·0	mb 12·1	mb. ‡12·2	

324. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

October, 1923.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	97	96	96	93	91	89	84	81	76	72	69	67	64	67	73	78	82	87	85	88	87	85	85	83	82·6	9·9
2	84	89	93	93	95	93	87	82	73	75	65	64	61	71	69	71	74	78	79	78	79	82	88	91	79·6	11·0
3	95	95	93	82	82	77	80	72	62	63	65	67	66	67	67	75	66	64	61	64	59	59	60	61	**71·5**	9·1
4	60	62	62	63	66	65	66	65	64	63	62	64	66	67	67	72	74	75	78	81	83	86	89	89	69·8	8·4
5	89	90	92	93	95	95	95	93	92	84	87	83	81	83	87	83	81	89	86	86	84	88	83	86	87·8	12·1
6	85	88	90	87	85	85	88	84	83	81	77	79	81	83	88	85	87	85	89	88	88	89	89	89	85·5	11·8
7	88	84	82	89	92	95	95	96	96	99	97	95	96	97	99	96	96	96	97	97	95	97	97	88	**94·5**	**14·1**
8	94	93	87	87	89	91	91	93	89	88	89	93	94	95	95	96	95	95	96	96	96	95	96	96	92·7	**14·1**
9	96	93	90	89	86	85	80	79	79	80	78	78	76	76	80	78	79	80	81	83	85	85	88	87	83·1	12·1
10	88	87	90	90	90	93	95	95	95	95	95	97	96	96	93	93	91	92	90	92	92	92	92	91	92·3	12·8
11	89	86	89	93	82	79	90	89	92	90	87	87	88	90	90	91	90	91	91	92	91	91	96	93	92·7	12·2
12	92	89	91	88	89	87	81	81	70	77	76	62	65	65	67	66	65	66	65	65	69	77	79	72	75·6	9·2
13	74	73	73	72	76	70	74	73	72	71	78	68	74	67	65	68	69	76	73	71	69	72	71	78	71·8	8·6
14	76	85	83	83	80	83	83	82	84	80	73	72	67	73	66	65	67	73	76	85	85	91	88	89	78·5	**8·2**
15	89	87	89	90	90	89	90	87	90	89	86	83	78	78	77	81	81	87	87	91	91	93	91	88	86·8	8·6
16	84	91	88	83	81	87	86	90	92	93	93	88	83	88	88	84	90	91	91	93	93	91	90	91	88·6	11·5
17	89	89	89	91	91	91	93	93	93	96	95	92	90	88	88	88	92	91	92	92	81	89	82	77	90·0	11·9
18	76	77	79	79	77	78	81	83	84	86	87	88	87	88	90	91	91	92	93	95	93	94	95	94	86·2	11·7
19	91	87	81	76	77	71	79	75	75	72	72	76	77	70	70	73	81	77	84	84	87	87	88	88	79·2	9·7
20	92	91	91	91	87	85	85	83	82	82	77	80	78	79	90	90	91	90	92	93	92	93	93	85	87·2	11·6
21	89	87	81	73	70	70	80	75	76	77	77	85	85	87	82	86	79	84	85	81	84	84	78	79	80·7	9·6
22	84	84	82	80	81	85	71	72	70	76	81	85	78	83	79	81	85	91	89	87	88	88	91	88	82·3	10·1
23	92	91	92	95	92	86	83	78	71	76	79	77	78	81	80	84	81	77	91	85	87	89	86	86	84·1	9·8
24	86	84	81	85	84	81	84	86	86	85	83	78	83	86	80	80	82	83	88	85	83	84	84	87	83·6	9·5
25	87	84	88	88	85	81	87	81	76	81	70	68	73	70	65	70	74	84	85	83	85	86	85	86	80·1	9·0
26	86	79	80	89	91	87	86	88	89	78	86	80	81	82	87	83	85	87	89	89	89	78	83	86	84·9	10·1
27	87	81	77	78	85	77	83	85	82	81	85	83	81	80	81	87	91	88	82	78	78	82	88	75	82·5	9·4
28	79	77	77	77	74	79	75	73	72	71	73	72	72	74	76	75	71	70	73	76	78	82	82	82	75·3	9·3
29	82	85	86	87	91	92	93	91	93	93	92	93	96	97	99	95	95	95	96	94	95	95	95	96	92·5	13·1
30	95	93	95	93	92	91	92	89	85	84	84	81	78	74	83	81	82	81	83	82	83	82	83	86	85·7	11·5
31	86	85	88	82	80	79	83	76	76	65	76	75	75	78	81	81	85	86	85	86	86	86	86	86	81·3	10·0
Mean ...	**86·5**	85·9	85·6	85·1	84·7	83·7	84·5	82·9	81·3	80·7	80·5	79·4	**79·0**	80·0	80·7	81·5	82·3	83·9	84·9	85·2	85·0	86·2	**86·5**	85·6	83·4	†10·7
Vapour Pressure* ...	mb. 10·8	mb. 10·7	mb. 10·7	mb. 10·5	mb. 10·6	mb. 10·3	mb. 10·5	mb. 10·3	mb. **10·2**	mb. 10·5	mb. 10·5	mb. 10·6	mb. 10·8	mb. 10·8	mb. **10·9**	mb. **10·9**	mb. 10·7	mb. 10·6	mb. 10·7	mb. 10·7	mb. 10·6	mb. 10·6	mb. 10·6	mb. 10·6	mb. ‡10·6	

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

325. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t (height of thermometer bulbs above ground) = 1·3 metres.

November, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	83	85	85	85	83	83	83	84	86	81	78	79	82	87	88	88	84	76	78	74	75	80	76	73	81·8	9·8
2	74	73	75	74	76	83	83	85	92	93	95	97	95	95	96	95	95	95	96	96	96	96	95	93	88·9	11·3
3	92	90	90	90	91	91	88	88	88	89	82	81	75	71	69	77	81	74	76	69	71	75	71	64	81·1	10·5
4	73	70	71	70	75	74	81	79	77	78	73	75	72	73	73	73	77	79	80	79	84	80	85	86	76·1	8·4
5	85	86	87	86	83	87	89	86	89	86	85	79	76	71	71	73	79	85	83	82	79	81	84	79	82·3	8·0
6	84	88	85	87	85	82	79	79	80	71	63	61	60	59	59	69	63	77	84	88	89	90	90	93	77·4	6·9
7	81	76	76	80	76	75	69	71	71	80	80	78	79	92	93	93	93	93	93	93	96	96	96	96	84·4	8·7
8	96	95	96	93	88	86	82	85	85	83	79	76	76	79	79	84	79	78	76	71	74	77	72	68	82·1	8·7
9	68	72	71	69	70	76	83	87	80	77	69	66	69	67	63	65	63	62	63	67	69	73	73	72	**70·5**	7·6
10	71	76	72	76	80	80	82	83	79	75	73	75	77	70	76	71	79	81	85	82	83	83	88	88	78·2	7·3
11	88	87	88	88	87	85	86	86	83	83	86	84	83	86	85	87	92	92	95	96	96	96	95	99	88·6	9·3
12	96	95	97	96	95	97	97	97	96	96	96	96	97	99	99	97	97	97	97	96	99	96	96	96	**96·7**	**12·5**
13	97	96	97	96	95	93	92	93	93	93	93	95	93	93	95	92	91	91	86	83	80	79	77	70	90·7	11·7
14	60	58	61	75	64	75	67	79	68	82	66	75	67	68	74	72	75	72	76	73	83	84	84	85	72·3	6·9
15	82	87	91	92	91	91	75	75	81	78	80	72	73	70	76	70	71	70	66	70	72	70	79	82	77·7	8·4
16	88	81	74	79	73	75	83	71	79	73	71	70	75	68	69	71	87	89	87	85	79	76	82	79	77·7	7·8
17	72	72	73	72	74	81	81	77	68	77	83	84	81	71	66	70	74	80	81	81	83	75	78	87	76·5	7·1
18	73	72	71	80	76	84	73	73	73	67	71	75	73	75	77	78	73	79	78	81	77	78	71	67	75·2	7·2
19	81	83	82	81	73	71	68	70	75	77	75	78	73	67	68	67	67	73	69	80	73	81	73	78	74·1	7·0
20	71	74	71	72	79	74	79	79	79	77	76	76	76	81	73	81	82	81	81	77	83	81	82	83	77·7	7·0
21	83	80	83	82	83	88	90	89	88	87	88	81	75	74	76	82	83	88	88	88	89	87	87	89	84·4	6·6
22	87	87	87	85	87	87	87	85	85	81	78	74	71	68	70	78	77	83	82	81	79	81	81	81	81·1	5·7
23	83	83	85	82	81	81	82	85	82	75	79	73	74	74	71	72	77	77	77	79	80	81	83	85	79·1	5·7
24	85	87	83	85	85	85	83	80	80	85	85	82	81	80	83	85	85	87	81	80	80	80	83	83	83·1	**5·2**
25	83	86	77	77	83	83	83	81	81	82	87	79	85	87	85	86	90	94	89	91	91	91	90	89	85·3	6·2
26	93	93	93	91	91	91	90	90	90	87	88	82	87	93	93	91	89	89	89	89	91	91	89	91	90·0	7·1
27	91	89	91	87	91	91	91	89	91	90	90	90	89	91	88	87	88	87	83	83	81	81	81	77	87·7	6·3
28	83	76	81	77	75	77	75	75	77	81	77	77	80	76	77	82	83	81	82	82	81	82	83	83	79·2	5·5
29	81	80	85	89	85	89	90	90	85	85	90	83	78	77	78	79	81	83	79	83	81	83	85	87	83·5	6·3
30	87	83	83	83	83	77	80	83	79	80	81	81	84	82	81	81	89	95	96	96	97	99	92	93	85·9	6·7
Mean ...	82·4	82·0	82·0	82·6	81·9	83·1	82·4	82·5	82·0	81·6	80·6	79·1	78·5	**78·1**	78·4	79·9	81·5	82·9	82·5	82·5	83·0	**83·4**	**83·4**	83·2	81·6	†7·8
Vapour Pressure* ...	mb. 7·3	mb. 7·3	mb. 7·3	mb. 7·4	mb. 7·3	mb. 7·3	mb. **7·2**	mb. **7·2**	mb. 7·3	mb. 7·7	mb. 7·9	mb. 7·9	mb. **8·1**	mb. **8·1**	mb. 8·0	mb. 8·0	mb. 7·9	mb. 7·9	mb. 7·8	mb. 7·7	mb. 7·5	mb. 7·5	mb. 7·4	mb. 7·3	mb. ‡7·6	

326. Cahirciveen (Valencia Observatory) : North Wall Screen : h_t = 1·3 metres.

December, 1923.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	93	94	95	94	95	93	89	91	90	91	90	90	91	85	87	89	93	93	92	92	89	89	85	85	90·8	9·1
2	76	83	79	77	82	78	82	88	76	81	73	78	73	73	73	75	72	70	59	60	77	78	85	83	76·3	7·3
3	79	82	78	82	79	67	69	77	77	87	72	72	72	75	78	85	82	87	90	93	95	96	95	91	81·5	7·8
4	84	91	80	83	77	81	81	87	81	85	85	78	85	86	87	85	87	93	91	91	94	93	90	99	86·3	8·5
5	80	80	82	83	79	77	81	80	76	73	72	67	71	71	73	70	69	73	77	73	73	72	74	77	75·6	7·5
6	75	80	82	87	85	88	87	88	89	88	88	85	86	81	82	83	83	85	89	87	90	91	91	91	85·6	7·9
7	93	95	95	93	95	96	97	96	95	93	96	95	91	89	85	83	84	85	89	82	81	72	71	71	88·8	10·2
8	76	67	68	69	74	66	76	72	78	76	83	71	72	64	70	76	75	68	69	72	83	85	81	81	73·6	7·1
9	82	80	80	76	78	75	78	80	85	85	84	87	87	92	92	91	91	91	92	92	92	93	91	91	85·8	8·4
10	92	92	91	92	89	91	91	92	91	92	92	92	89	91	89	88	89	92	92	92	91	89	88	87	90·7	10·9
11	88	87	88	83	87	87	88	89	87	87	86	83	82	86	86	89	88	89	88	85	83	86	88	88	86·6	10·5
12	92	92	89	89	89	89	89	88	92	92	92	92	92	93	93	93	95	93	95	90	89	87	83	77	90·4	10·7
13	83	82	89	90	91	91	93	92	93	91	91	89	90	91	91	90	91	94	89	93	91	93	91	90	90·1	8·0
14	89	89	90	87	86	84	83	83	82	83	83	81	82	84	86	88	93	95	93	84	83	84	79	80	85·7	9·5
15	82	79	75	68	68	68	75	72	68	69	72	73	77	72	72	72	75	77	76	76	77	78	78	81	74·1	7·8
16	83	83	87	93	96	95	96	96	97	97	96	96	95	96	93	93	91	91	92	93	91	89	91	92	92·4	10·6
17	93	96	95	92	93	92	93	93	95	93	93	95	95	93	92	91	93	93	93	92	95	95	95	92	93·4	11·1
18	93	93	95	95	96	97	95	96	93	95	92	87	77	78	79	75	83	80	78	75	79	81	80	80	86·6	9·8
19	73	78	73	85	83	83	80	87	87	80	77	80	73	73	66	65	64	67	65	69	66	63	62	63	73·8	7·4
20	63	64	63	64	64	61	62	62	64	58	65	66	66	68	70	71	73	79	82	84	85	87	87	87	**70·1**	**6·1**
21	79	73	74	75	77	81	89	92	93	92	93	91	93	93	95	95	92	92	92	92	95	88	82	78	87·5	9·7
22	83	84	80	82	87	81	81	87	85	87	82	85	83	83	87	86	88	88	86	91	92	95	95	96	86·0	10·6
23	93	93	93	89	74	70	67	69	69	70	71	69	75	76	77	79	75	75	76	76	84	91	93	93	79·1	8·7
24	95	97	95	93	93	95	96	95	96	96	96	96	95	97	96	92	89	91	87	86	86	87	90	89	92·9	10·7
25	89	94	94	95	95	97	95	97	96	97	97	97	97	96	97	99	97	97	97	91	88	85	87	85	94·2	10·9
26	87	85	85	85	81	81	83	86	86	91	93	95	96	96	96	95	95	95	97	93	93	91	91	89	90·1	11·1
27	86	86	86	85	92	93	95	95	95	93	91	96	93	92	95	96	95	95	92	91	92	93	91	89	92·0	**11·4**
28	92	83	75	74	77	76	75	76	71	72	74	71	75	72	70	77	81	84	83	87	86	89	87	87	79·0	8·6
29	88	87	89	89	91	93	93	91	93	95	95	93	96	96	99	97	97	97	96	96	95	92	92	92	93·3	10·5
30	92	93	91	89	87	87	85	82	82	91	88	88	81	80	81	81	81	83	81	81	83	83	88	88	**95·3**	**11·4**
31	92	92	92	92	92	93	92	93	95	96	93	95	95	93	97	96	96	96	99	96	96	96	97	99	94·5	11·3
Mean ...	85·3	85·6	84·8	84·8	84·9	**84·1**	85·0	86·2	85·7	86·3	85·6	84·9	84·7	84·4	85·0	85·3	85·7	86·7	86·4	85·6	**86·9**	86·8	86·4	86·2	85·5	†9·4
Vapour Pressure* ...	mb. 9·2	mb 9·3	mb. 9·2	mb. 9·1	mb. 9·1	mb. **8·9**	mb. 9·0	mb. 9·1	mb. 9·1	mb. 9·1	mb. 9·4	mb. 9·5	mb. **9·6**	mb. 9·5	mb. **9·6**	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·4	mb. 9·3	mb. 9·3	mb. 9·3	mb 9·2	mb 9·2	mb. ‡9·3	

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and the mean relative humidities. † Mean of the column. ‡ Mean of the row.

HUMIDITY: ANNUAL MEANS OF HOURLY VALUES.

From the monthly means for exact hours, Greenwich Mean Time.

327. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1{\cdot}3$ metres. **1923.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ...	% 84·9	% 85·1	% 85·0	% 85·0	% **85·2**	% 84·9	% 84·6	% 83·8	% 82·6	% 81·6	% 80·6	% 79·5	% 79·0	% **78·8**	% 79·0	% 79·1	% 79·7	% 81·1	% 82·2	% 82·7	% 83·5	% 84·1	% 84·4	% 84·4	% 82·5
Vapour Pressure in millibars	mb. 10·2	mb. 10·2	mb. 10·1	mb. **10·1**	mb. 10·1	mb. **10·1**	mb. 10·2	mb. 10·3	mb. 10·4	mb. 10·5	mb. 10·7	mb. 10·7	mb. **10·9**	mb. 10·8	mb. 10·8	mb. 10·8	mb. 10·7	mb. 10·6	mb. 10·5	mb. 10·4	mb. 10·3	mb. 10·3	mb. 10·2	mb. 10·2	mb. 10·4

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

328. Cahirciveen (Valencia Observatory) : North Wall Screen : $h_t = 1{\cdot}3$ metres. **1923.**

Month.	Mean.	Hour. 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	**85·6**	+1·0	+1·0	+1·1	+0·8	+0·6	+1·0	+0·1	+0·7	+0·1	+0·5	−0·5	−2·0	**−2·1**	−1·8	−1·5	−1·6	−0·8	−0·4	−0·9	+0·1	+0·4	+1·7	**+1·8**	+0·8
Feb.	84·4	+1·8	+1·3	+1·7	+1·4	**+2·0**	−0·3	+0·4	+1·3	+1·0	+0·9	+0·5	−0·9	−2·3	**−2·7**	−1·4	−2·6	−2·2	−1·5	−0·2	+0·1	+0·1	−0·1	+0·6	+0·5
Mar.	78·2	+2·9	+3·5	+3·9	**+4·5**	+4·4	+4·1	+3·5	+3·6	+2·9	−0·2	−3·3	−4·7	−5·2	−5·5	**−5·8**	−5·6	−4·5	−2·8	+0·1	+0·4	+0·6	+0·3	+1·1	+1·7
April	78·1	+3·5	**+5·1**	+4·4	+4·3	+4·4	+4·7	+4·8	+2·8	−0·7	−1·9	−3·9	−3·8	**−5·1**	−5·1	−4·7	−4·9	−4·5	−3·3	−1·5	−0·3	+0·1	+1·3	+1·7	+2·4
May	**77·2**	+4·0	+3·8	+3·3	+3·9	+3·7	**+4·1**	+2·8	+0·9	−1·1	−3·0	−3·3	−4·2	−4·7	−5·4	**−5·7**	−4·6	−3·5	−2·2	−1·0	0·0	+1·9	+2·8	+3·9	+3·5
June	83·2	+3·4	+3·3	+3·9	+3·9	+3·9	**+4·0**	+3·4	+1·3	0·0	−2·1	−2·8	−3·9	−4·1	−4·3	−3·9	**−4·7**	−4·4	−2·8	−1·1	−0·3	+1·5	+2·3	+1·9	+1·9
July	85·2	+3·2	+3·6	+3·6	+4·3	**+5·1**	+4·6	+3·3	+1·2	0·0	−1·1	−2·3	−2·9	−3·3	−4·3	−4·7	−5·1	**−5·3**	−4·1	−2·6	−1·2	+0·7	+1·5	+2·6	+2·9
Aug.	83·9	+3·4	+3·6	+3·3	+3·1	**+4·5**	+4·0	+3·3	+1·4	+0·1	−1·0	−2·4	−4·0	−4·2	−4·4	−4·5	**−4·6**	−4·5	−2·2	−1·4	−0·4	+0·6	+1·4	+2·1	+2·7
Sept.	84·0	+2·0	**+2·7**	+2·5	+1·6	+2·2	+1·5	+2·1	+1·3	−0·4	−1·7	−1·5	−3·1	−3·1	−3·5	**−3·9**	−3·5	−3·0	−0·7	+0·9	+1·3	+1·1	+2·0	+1·3	+1·9
Oct.	83·4	+2·9	+2·3	+2·1	+1·6	+1·2	+0·3	+1·1	−0·5	−2·2	−2·7	−3·0	−4·1	**−4·4**	−3·4	−2·7	−1·8	−1·0	+0·6	+1·6	+1·9	+1·7	+2·9	**+3·2**	+2·3
Nov.	81·6	+0·8	+0·5	+0·5	+1·1	+0·4	+1·5	+0·8	+0·9	+0·4	0·0	−1·1	−2·5	−3·1	**−3·5**	−3·3	−1·8	−0·2	+1·2	+0·8	+0·8	+1·3	**+1·7**	+1·6	+1·4
Dec.	85·6	−0·1	+0·1	−0·7	−0·7	−0·6	**−1·4**	−0·5	+0·7	+0·2	+0·8	+0·1	−0·6	−0·9	−1·2	−0·6	−0·3	+0·1	+1·1	+0·7	0·0	**+1·3**	+1·2	+0·7	+0·5
Year	82·5	+2·4	+2·6	+2·5	+2·5	**+2·7**	+2·4	+2·1	+1·3	+0·1	−1·0	−1·9	−3·0	−3·5	**−3·8**	−3·6	−3·4	−2·8	−1·4	−0·4	+0·2	+0·9	+1·6	+1·9	+1·9

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

329. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r' (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **1923.**

G.M.T.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.	0 to 24.
Amount	mm. **84·5**	mm. 84·4	mm. 76·9	mm. 70·0	mm. 61·4	mm. 69·5	mm. 68·8	mm. 64·9	mm. **51·6**	mm. 55·2	mm. 55·1	mm. 55·6	mm. 61·5	mm. 60·1	mm. 61·4	mm. 60·9	mm. 57·1	mm. 67·5	mm. 64·3	mm. 61·9	mm. 55·9	mm. 53·6	mm. 55·9	mm. 64·0	mm. 1522·0
Duration	hr. **38·2**	hr. 34·2	hr. 36·1	hr. 33·1	hr. 33·3	hr. 35·9	hr. 33·5	hr. 31·9	hr. 32·0	hr. 32·8	hr. 27·5	hr. **27·1**	hr. 31·5	hr. 30·9	hr. 30·5	hr. 30·0	hr. 29·1	hr. 34·7	hr. 36·7	hr. 37·2	hr. 34·1	hr. 33·2	hr. 35·2	hr. 37·5	hr. 796·2

330. Cahirciveen (Valencia Observatory). NOTES ON RAINFALL. **1923.**

Notable Falls of the Year.—There were no occasions of very remarkable rainfall during 1923. The heaviest hourly rainfall shown in the tables is 10·2 mm., experienced between 19 h. and 20 h. on the 20th October. On the 24th September, 28 mm. fell in the six hours between 11 h. and 17 h.; on the 16th February, 26 mm. were registered in the five hours from 11 h. to 16 h.; on the 23rd August, between 4 h. and 9h. 20 mm. were recorded, of which 17 mm. fell between 6 h. and 9 h.

Dry Periods.—Absolutely dry periods were few and of no great length. For the ten days from the 14th to the 23rd March inclusive, no rain was recorded and a similar dry interval was experienced from the 22nd June to the 1st July.

Wet Periods.—Rain fell on every day from the 15th February to the 8th March, an interval of 22 days; from the 11th September to the 3rd October, 23 days; and again from the 18th October to the 9th November, 23 days. In this last period only three days had less than 1 mm. of rain.

Amounts in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

331. Cahirciveen (Valencia Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **January, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	·6	1·0	1·4	2·4	...	...	...	·2	·3	...	...	...	...	...	...	...	...	5·9	4·4
2	...	...	·2	·3	·9	·8	...	...	...	...	...	...	·1	·2	...	...	·2	...	...	...	...	1·2	·8	·3	5·0	3·2
3	·1	...	·6	·1	...	·4	...	...	·6	·3	...	...	...	...	·2	·3	...	·2	·6	...	...	...	...	...	3·4	2·6
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	·1	·7	1·4	1·8
5	1·2	·5	·5	·8	2·2	2·3	·1	·3	...	...	...	...	...	·1	·2	...	...	...	...	...	·6	...	...	·2	**9·0**	4·9
6	·2	·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·0	1·4	2·2	1·3	·1	·1	...	·1	7·2	**5·5**
7	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	·1	·1	·1	·2	·1	·2	·2	·4	1·6	2·2
8	1·0	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	1·2	·7	4·7	3·6
9	·5	1·3	·1	·1	·1	...	...	...	...	...	·4	·8	·6	...	·5	·1	...	·5	...	·1	·1	·4	·2	...	5·8	3·5
10	...	...	...	·2	...	·2	...	·6	...	·4	...	...	...	·6	1·8	·2	·7	·1	...	...	·9	...	·2	·1	6·0	2·8
11	·1	...	·6	...	...	·6	...	...	·4	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	2·1	1·2
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	·3	·2	·2	·4	·2	·4	·1	·1	...	·3	·1	...	...	...	...	...	...	...	...	...	2·3	3·3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	·2	·5	·2	...	...	·1	·1	·2	...	...	...	...	...	1·3	2·3
16	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3
17	...	...	...	...	·2	...	...	...	·3	...	...	...	...	...	...	...	...	1·3	·2	·2	...	...	...	...	2·2	1·8
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	...	...	0·3	0·4
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	·3	...	...	...	...	0·5	0·4
21	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	0·5	0·4
24	...	·1	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
25	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·2	0·6	0·4
28	...	...	...	...	...	...	...	...	...	...	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·3
29	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	...	·4	...	·2	·1	...	...	...	...	...	1·0	1·3
30	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·1	·8	·3	·3	...	...	...	...	2·8	2·6
31	...	...	...	...	·2	...	...	...	·3	·3	...	·3	·1	1·0	·6	·2	...	·1	...	...	...	...	...	...	3·1	3·1
Sum.	3·1	2·5	2·3	1·5	4·3	4·7	0·4	1·9	2·8	2·8	3·6	1·6	1·5	2·4	3·6	2·7	3·2	**4·8**	3·9	2·2	2·3	3·7	3·2	3·1	68·1	53·1
Total Duration.	hr. 2·6	hr. 1·6	hr. 2·4	hr. 1·7	hr. 2·1	hr. 2·5	hr. 0·7	hr. 1·8	hr. 2·4	hr. 2·0	hr. 1·9	hr. 1·4	hr. 1·9	hr. 2·3	hr. 2·8	hr. 2·8	hr. 2·4	hr. **3·7**	hr. 2·5	hr. 2·1	hr. 1·4	hr. 2·4	hr. 2·8	hr. 2·9	hr. 53·1	

332. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **February, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	1·8	1·1	·4	...	·3	·4	...	...	...	...	1·3	...	...	...	...	...	...	...	...	...	5·3	3·7
2	...	...	...	...	...	...	·2	1·1	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	1·7
3	...	...	...	...	...	·3	...	...	...	...	...	...	...	·8	...	...	...	·1	·2	1·1	...	...	...	·2	2·7	1·4
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	1·1	·4	...	...	·3	...	·2	...	·4	·1	...	·4	3·3	1·9	·6	1·8	10·5	6·6
6	3·5	7·3	5·3	1·8	1·8	1·2	·7	...	·2	...	·2	...	...	...	...	·1	·1	·2	...	...	·8	...	...	...	23·2	6·4
7	...	...	2·1	5·8	3·9	1·3	·5	...	...	...	...	...	...	...	·3	·1	...	·2	4·9	...	·1	2·0	·7	...	21·9	6·4
8	...	·1	·3	...	...	...	...	...	...	...	·2	1·6	...	·4	1·7	·7	...	...	...	...	...	...	...	...	5·0	2·8
9	·9	·2	...	...	...	...	...	...	...	...	·7	3·5	3·1	2·3	2·5	...	...	...	...	...	...	...	·1	...	13·3	4·6
10	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2
11	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	0·8	0·4
12	...	...	...	...	·4	...	...	...	...	·6	...	...	·4	·4	...	...	...	...	...	...	...	...	·6	·6	3·0	2·9
13	·1	...	·3	1·2	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	3·2
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	·1	...	·7	·7	·9	2·5	3·6	1·8	2·9	1·7	2·6	2·9	·2	·3	·8	...	·8	·4	...	...	...	...	...	22·9	9·7
16	...	...	·1	...	...	·1	·6	·7	·7	1·7	1·6	4·0	6·2	7·3	5·6	3·0	...	...	...	...	·4	...	...	...	32·0	9·5
17	...	...	...	...	...	...	...	·3	1·5	...	·9	1·5	3·5	3·0	1·7	·1	·2	·1	·4	·3	·4	...	·3	4·0	18·2	8·0
18	4·3	2·0	·8	...	...	...	...	...	...	...	...	...	·3	·6	·7	...	...	...	...	...	1·1	...	...	...	9·8	3·6
19	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·1
20	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	·9	2·5	3·5	4·3	3·0	·3	...	...	...	14·7	4·9
21	...	...	·6	·4	...	·2	...	·2	·2	...	2·3	·2	·1	·4	...	...	·9	·9	...	·6	...	·1	...	...	7·1	3·6
22	...	...	...	...	...	...	1·8	·4	·7	·9	·6	·2	...	...	...	·2	·2	...	...	...	...	...	·1	·2	5·3	3·7
23	1·3	·3	·9	·3	·2	...	·1	...	·1	·2	...	...	·4	...	·4	1·0	1·5	3·2	2·6	1·3	2·3	1·4	·2	...	17·7	9·2
24	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2
25	1·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·9	·7	·2	·6	2·3	2·2	8·8	5·1
26	·5	1·0	2·7	6·4	3·4	...	·3	·8	1·2	·2	·3	·1	·4	·8	1·0	3·0	2·5	2·5	2·2	·5	1·5	·3	·5	1·2	**33·8**	**12·9**
27	·8	1·3	·5	·2	·9	1·5	1·0	1·4	1·2	1·1	·6	·3	...	·6	...	...	...	...	...	...	...	...	...	...	11·4	9·9
28	...	...	...	...	...	...	1·4	·9	...	...	...	...	...	...	·7	...	·4	...	...	...	...	...	...	...	3·4	1·7
Sum.	12·7	12·4	13·6	17·1	14·0	6·9	9·5	9·4	9·8	8·5	9·2	14·3	**17·6**	16·8	16·4	9·9	8·9	11·9	15·9	8·3	10·4	6·3	5·4	10·2	275·4	122·4
Total Duration.	hr. 5·3	hr. 4·4	hr. 5·6	hr. 4·9	hr. 6·0	hr. 4·3	hr. 5·6	hr. 5·8	hr. **7·7**	hr. 5·2	hr. 5·8	hr. 5·7	hr. 4·8	hr. 4·5	hr. 5·7	hr. 5·1	hr. 4·7	hr. 4·4	hr. 5·4	hr. 4·2	hr. 4·6	hr. 3·2	hr. 4·7	hr. 4·8	hr. 122·4	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

333. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **March, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration 0–24.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	·3	1·7	4·1	2·2	1·0	...	...	·1	...	...	...	·1	...	9·5	3·9
2	...	...	·6	...	·1	...	...	...	...	·2	·1	·6	...	·5	·1	...	...	...	...	·3	...	...	...	...	2·5	1·3
3	...	...	...	...	·2	·2	...	1·9	·1	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	2·6	1·3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	0·9	0·4
5	4·4	5·0	3·8	1·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14·5	3·9
6	...	...	...	...	...	1·8	1·7	...	...	...	...	!!.	·2	...	...	·3	...	·4	·8	1·2	·9	...	...	...	7·3	2·5
7	...	·1	...	·2	·2	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	1·0
8	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	·3	1·3	2·3	1·3	4·2	4·6	4·6	4·5	3·0	2·2	·7	·7	·2	·6	...	...	...	...	30·5	10·3
11	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·9	·9	1·0	1·0	1·2	1·9	1·1	·8	1·5	...	10·4	8·9
12	...	...	...	...	...	...	...	·1	·3	1·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	1·2
13	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·4
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	0·6	0·3
25	1·1	1·7	·3	...	·3	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·7	1·9
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	2·0	·8	·8	·1	5·2	3·6
27	1·6	3·4	1·6	2·0	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	2·0	·5	1·1	1·8	1·4	·4	15·9	8·4
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·6	1·0	1·3	2·3	2·2	2·3	9·8	6·1
30	4·0	·6	2·4	4·8	·6	2·0	·7	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15·3	6·5
31	...	...	...	...	...	...	...	...	...	...	...	...	2·4	·6	...	...	...	...	...	...	...	...	...	...	3·0	1·2
Sum.	11·1	10·8	8·7	8·1	1·8	4·1	2·9	3·9	3·0	2·7	4·5	5·5	8·9	9·8	6·2	4·5	1·8	2·2	4·9	7·0	6·4	5·7	6·6	3·7	134·8	63·3
Total Duration.	hr. 4·0	hr. 3·1	hr. 3·3	hr. 2·6	hr. 2·4	hr. 2·1	hr. 2·0	hr. 2·2	hr. 1·5	hr. 2·0	hr. 1·2	hr. 1·5	hr. 3·1	hr. 2·7	hr. 2·7	hr. 2·6	hr. 1·6	hr. 1·6	hr. 3·2	hr. 4·2	hr. 4·0	hr. 3·7	hr. 3·9	hr. 2·1	hr 63·3	

334. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **April, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	1·5	1·2	·1	...	1·4	·4	·6	·8	1·4	·5	·7	·3	...	8·9	6·2
4	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·3	0·7
5	...	...	...	...	...	...	·9	·2	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	1·4	1·7	1·1	·2	...	5·5	4·5
7	...	1·1	...	...	...	...	...	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	0·7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·8	1·2	1·1
9	...	...	...	...	...	·3	·4	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·2
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·2	·3	·7	·4	1·8	2·7
11	·2	...	...	·3	1·3	·7	·1	...	...	·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·3	2·7
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	·1	...	·1	1·1	·8	1·5	3·0	2·1	1·0	·1	...	·1	·5	...	...	...	...	...	10·4	5·0
14	...	...	...	...	...	...	...	...	...	·3	...	...	...	2·3	·9	3·5	·4	·3	·6	·3	·3	·1	·7	...	9·7	3·9
15	...	...	·7	...	·4	·5	·2	1·4	·3	·3	...	·2	·2	...	...	...	...	...	...	...	...	...	...	...	4·2	2·1
16	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
17	...	...	...	...	...	...	·1	...	...	·2	...	...	...	·4	2·0	4·0	4·9	2·7	2·4	2·7	2·2	1·8	3·0	3·8	30·2	10·8
18	2·3	1·1	...	...	...	·1	·1	...	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·2	2·8
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·8	1·4	1·9	2·4	2·4	1·5	10·5	6·1
25	·1	...	...	...	·6	·1	...	·1	...	·6	...	...	·2	·5	...	...	...	...	...	...	...	·8	...	...	3·0	1·6
26	·3	·2	...	·1	...	·9	·2	...	·1	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	2·1	1·4
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	0·7	0·3
28	·4	...	·1	...	...	...	·2	...	...	...	...	·5	...	·3	...	...	...	...	...	·1	·1	...	...	...	1·7	1·5
29	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	1·8	2·4	1·2
30	·7	·2	·7	...	...	·7	...	...	...	·4	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	3·0
Sum.	4·0	2·6	1·6	0·6	2·3	3·3	2·4	2·7	0·9	3·9	1·1	4·2	4·7	5·7	3·9	9·0	6·1	4·1	6·0	7·4	6·9	7·2	7·7	9·1	107·4	59·9
Total Duration.	hr. 2·4	hr. 1·7	hr. 0·9	hr. 0·6	hr. 1·4	hr. 2·5	hr. 2·2	hr. 1·3	hr. 0·8	hr. 3·1	hr. 0·8	hr. 2·0	hr. 2·5	hr. 2·6	hr. 2·5	hr. 2·8	hr. 2·2	hr. 2·1	hr. 4·0	hr. 4·6	hr. 4·4	hr. 4·4	hr. 3·8	hr. 4·3	hr. 59·9	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

335. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **May, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration 0·24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	·1	·1	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·6
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
9	...	...	...	...	...	·1	...	·1	...	·4	...	·5	·1	·1	·2	·2	...	...	...	...	·1	...	...	...	1·8	1·4
10	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·1	·9	·9	1·3	·1	·6	·2	**6·0**	**5·6**
11	·3	...	...	·6	...	·1	...	...	...	·4	...	...	·4	·7	·1	...	...	·4	·1	...	·4	·3	·3	·1	4·2	2·7
12	...	·4	·7	·3	·2	...	...	1·0	·2	...	...	·2	·4	...	·5	·1	·9	·4	...	...	·1	...	...	...	5·4	3·0
13	...	...	...	...	...	...	·2	·1	...	...	...	·4	...	...	...	...	·2	...	...	·1	...	...	...	...	1·0	0·7
14	...	...	...	...	...	...	...	·3	·4	·4	·6	1·8	·6	·3	·2	·5	·5	...	·2	...	...	...	...	...	5·8	3·3
15	·2	...	...	...	...	·8	·2	·1	...	...	...	...	...	...	...	...	·7	...	...	·3	·4	...	...	...	2·7	1·4
16	...	...	...	·7	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	1·2	0·6
17	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	0·6	0·4
18	...	·6	...	...	...	·2	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	1·3	0·7
19	...	...	...	...	...	·2	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·6	·5	·4	·1	1·9	2·4
20	·2	·3	·8	·7	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	2·6
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	0·4	0·3
22	...	...	...	...	...	...	·2	·5	·5	·1	·7	...	...	...	...	...	·1	·1	·2	1·2	·2	...	...	...	3·8	4·5
23	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	0·5	0·3
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	...	...	·3	0·7	0·8
25	...	...	...	...	...	...	...	...	·1	·1	...	·1	...	...	...	...	...	...	...	...	...	...	...	·2	0·5	0·7
26	·2	...	·3	...	...	·3	·4	·3	...	...	...	...	...	...	...	...	...	·2	·3	...	...	...	·2	·3	2·5	2·5
27	...	...	...	...	...	·1	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·9	1·3	2·0	2·7	1·2	1·9	1·0	2·7	1·4	1·4	1·4	3·0	1·5	1·1	1·0	0·8	3·0	2·6	1·7	2·5	**3·5**	1·4	1·8	1·6	43·4	35·0
Total Duration.	hr. 0·9	hr. 0·7	hr. 1·4	hr. 2·0	hr. 1·0	hr. 1·7	hr. 0·9	hr. 2·4	hr. 1·7	hr. 1·2	hr. 1·1	hr. 1·5	hr. 1·1	hr. 0·7	hr. 1·0	hr. 0·5	hr. 1·8	hr. 2·2	hr. 1·6	hr. 1·8	hr. **2·9**	hr. 1·7	hr. 1·6	hr. 1·6	hr. 35·0	

336. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **June, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
5	...	...	...	...	·1	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·4
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	·1	...	...	...	·1	...	·3	·4	...	...	·2	·3	·1	·1	...	...	...	...	1·6	1·6
8	...	...	·7	·8	2·3	2·2	2·0	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	·3	**9·1**	**5·6**
9	·3	...	·2	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·7
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	·4	·6	·3	·2	2·1	1·2
13	·5	·2	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·3
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·7	·6	1·4	1·3
15	2·6	1·4	·4	·4	·1	...	...	...	...	...	...	·5	·3	·8	...	...	...	...	...	...	...	...	...	...	6·5	3·4
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	·2	1·0	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	1·4	1·1
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	3·4	1·6	1·3	1·3	2·5	2·3	2·3	0·8	1·2	...	0·1	0·5	0·6	1·2	0·6	0·2	0·2	0·3	0·1	0·1	0·4	0·8	1·1	1·1	24·0	16·7
Total Duration.	hr. 2·2	hr. 0·8	hr. 0·7	hr. 1·2	hr. 1·3	hr. 1·2	hr. 1·3	hr. 0·8	hr. 0·7	hr. ...	hr. 0·1	hr. 0·2	hr. 0·5	hr. 1·0	hr. 0·2	hr. 0·3	hr. 0·2	hr. 0·3	hr. 0·1	hr. 0·1	hr. 0·2	hr. 0·8	hr. 1·0	hr. 1·5	hr. 16·7	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

337. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **July, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·5	·1	1·3	1·1	·3	3·5	4·3
3	·3	·4	·2	·7	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·7	3·0
4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
5	·4	1·4	1·3	·7	·1	…	…	·3	·9	·2	·3	…	…	…	·2	·1	·9	·2	·1	…	…	…	…	…	7·1	**7·1**
6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
7	…	…	…	·4	…	…	·1	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·6	0·6
8	…	…	…	…	…	…	…	…	…	…	…	·2	·5	…	…	1·0	3·1	1·1	·8	·3	·1	…	·3	…	7·4	3·8
9	1·2	·3	·8	·3	1·0	…	…	…	…	…	…	·6	…	…	…	…	…	…	…	…	…	…	…	…	4·2	1·6
10	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
12	…	…	…	…	·1	·4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·5	1·3
13	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
15	…	…	…	…	·7	1·3	2·0	5·7	3·2	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	·4	**13·5**	5·4
16	…	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	0·2
17	…	…	…	…	…	·5	·3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·8	0·3
18	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
19	…	…	…	…	…	·7	3·0	1·3	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	·1	·1	5·3	4·8
20	·2	·1	…	·1	·1	·1	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·7	2·0
21	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
22	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·1	0·1
23	…	…	…	…	2·5	6·2	3·1	·4	·2	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	12·5	3·3
24	…	…	…	…	…	…	…	…	…	·2	·4	…	…	…	…	…	…	…	…	…	…	…	…	…	0·6	0·6
25	·3	·3	·4	3·9	…	·4	1·4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	6·7	2·3
26	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
27	…	…	…	…	…	·2	·8	·1	…	…	…	…	…	…	…	·2	·6	·4	…	·1	1·3	2·6	…	…	6·3	2·6
28	…	·8	·8	·9	1·3	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	4·0	1·3
29	…	…	…	·3	…	…	…	…	…	…	…	…	·3	…	·1	…	…	…	…	…	…	…	…	…	0·7	0·6
30	…	·1	…	…	…	·1	·1	…	·3	2·8	1·6	…	…	…	…	…	…	…	…	…	·1	·2	…	·9	6·2	2·3
31	·3	1·1	…	1·1	1·4	1·7	1·7	·7	1·5	·2	…	·2	…	…	…	…	…	…	…	…	…	…	…	…	9·9	3·1
Sum.	2·7	4·5	3·5	8·4	7·2	11·8	**12·7**	8·6	6·2	3·8	2·3	1·0	0·8	…	0·3	1·3	4·6	1·7	1·1	0·9	1·6	4·2	1·5	1·7	92·4	50·6
Total Duration.	hr. 3·0	hr. 3·6	hr. 2·5	hr. 3·4	hr. 3·1	hr. 4·5	hr. **5·1**	hr. 3·0	hr. 2·8	hr. 2·7	hr. 1·0	hr. 0·6	hr. 0·7	hr. …	hr. 0·4	hr. 0·5	hr. 1·6	hr. 1·5	hr. 0·9	hr. 1·7	hr. 0·8	hr. 2·5	hr. 2·3	hr. 2·4	hr. 50·6	

338. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **August, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	…	…	…	…	…	…	…	…	…	·9	…	…	…	…	…	…	…	…	…	…	…	…	1·0	3·6	5·5	1·8
2	2·6	3·9	6·9	2·2	·6	1·0	·7	·9	·5	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	·2	19·6	6·9
3	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·6	0·8	0·9	
5	6·2	7·7	·4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	14·3	2·0
6	…	…	…	…	…	…	…	…	·8	3·7	3·2	…	…	…	…	…	…	…	1·5	1·6	1·1	1·4	1·2	1·0	15·5	7·7
7	·4	…	·4	1·3	·2	·1	·2	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	2·6	2·6
8	…	…	…	·2	·1	·1	…	…	…	·2	1·4	·4	2·9	·3	…	…	…	…	…	…	·1	1·6	1·4	·2	·6	9·5	5·1
9	·2	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·3	0·3	
10	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
11	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·2	·3	…	·3	…	…	…	0·8	0·8
12	·2	·8	1·0	·6	…	·2	·1	·1	·2	…	…	…	·3	·1	…	2·4	1·0	1·4	1·1	·8	·4	·6	2·8	1·8	15·9	**12·0**
13	3·2	·1	·3	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	3·7	1·4
14	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
15	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…
16	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	·1	·1	…	·2	1·3	·1	·2	2·1	1·8
17	2·7	1·6	…	…	…	·4	…	…	…	·4	…	…	·2	…	…	…	1·4	·2	·5	…	·3	…	·1	…	7·8	3·9
18	…	…	…	…	·2	·5	…	…	…	…	…	…	·3	…	…	…	…	…	…	…	…	…	…	…	1·0	0·4
19	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·1	1·2	1·1	·4	·4	…	…	…	4·2	3·9
20	·2	…	…	…	…	…	…	…	…	…	…	·5	·6	·6	·2	·1	…	…	·6	…	…	…	·6	4·6	8·0	3·8
21	5·9	2·2	·3	·2	…	·6	·2	…	…	…	…	…	…	…	1·4	·2	…	4·2	·3	…	·2	…	…	…	15·7	4·2
22	·1	…	…	…	…	…	…	…	·6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·7	0·3
23	…	…	…	…	1·8	1·4	7·7	6·4	2·6	…	…	…	…	…	…	…	…	·2	…	…	…	…	…	…	**20·1**	4·2
24	…	…	…	…	…	…	·4	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	0·4	0·2
25	…	…	·3	2·5	1·4	2·4	1·7	…	·4	·4	1·3	1·7	·9	·5	…	…	…	…	…	…	…	…	…	…	13·5	8·4
26	…	…	2·5	…	…	…	…	…	…	1·1	…	·2	…	…	…	·5	…	…	…	…	…	…	·4	·1	4·8	1·3
27	…	·3	…	…	·5	…	…	·1	·4	…	·6	·3	·7	1·4	…	…	…	…	…	…	…	·3	…	…	4·6	2·1
28	·1	…	…	…	…	·2	…	…	·6	…	…	…	…	…	…	…	…	…	…	…	…	…	…	1·4	2·3	1·1
29	1·4	1·1	1·5	·9	·4	·6	4·3	4·8	·4	…	·2	·6	…	…	…	…	…	·4	…	…	…	…	…	…	16·6	6·2
30	…	…	…	…	…	…	…	…	·1	…	…	…	…	…	…	…	…	…	…	…	…	…	…	·1	0·2	0·3
31	·2	…	·4	·7	·8	·9	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	…	3·0	1·2
Sum.	**23·4**	17·7	14·0	8·7	6·0	8·4	15·5	12·3	6·6	6·7	6·7	3·7	6·0	2·9	1·6	3·2	3·5	7·9	5·5	2·9	4·5	5·0	6·6	14·2	193·5	84·8
Total Duration.	hr. **6·4**	hr. 5·2	hr. 5·0	hr. 5·1	hr. 3·4	hr. 4·5	hr. 4·6	hr. 2·8	hr. 3·3	hr. 2·6	hr. 2·8	hr. 2·3	hr. 3·0	hr. 2·1	hr. 0·8	hr. 1·4	hr. 1·9	hr. 3·6	hr. 4·4	hr. 3·3	hr. 3·3	hr. 3·0	hr. 3·7	hr. 6·3	hr. 84·8	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

339. Cahirciveen (Valencia Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **September, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·2
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	·1	...	·8	3·3	1·8	1·9	1·0	·3	...	...	2·0	·5	·5	3·3	·5	16·0	9·1
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	·3	·3	1·0	·1	·1	...	...	...	...	...	...	...	1·8	2·1
7	·5	...	·1	...	...	...	...	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	1·0
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	...	0·6	0·8
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	0·1	0·3
12	·6	·4	·3	·1	·5	...	...	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	2·8	4·4
13	·2	·2	·4	·1	...	...	...	...	...	1·1	1·5	·2	·1	...	·7	...	...	...	...	...	...	...	...	·2	4·7	3·4
14	...	·1	·1	...	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·3	·4	·1	1·0	3·3	1·7
15	·4	·5	·7	·7	1·2	·7	2·1	1·8	...	...	...	2·3	·6	...	·1	...	...	...	...	...	...	...	...	...	11·1	4·2
16	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
17	·5	·1	2·5	2·4	2·0	5·4	4·1	5·6	3·1	3·6	4·1	1·7	·6	...	·4	...	1·5	·1	2·0	·1	...	...	...	...	39·8	12·2
18	1·2	...	...	·1	...	·1	·1	...	...	...	·2	...	·6	...	...	...	...	·2	...	·3	...	·2	·1	...	3·1	1·6
19	...	...	·1	·9	...	...	...	...	...	...	...	·1	·1	...	...	·1	...	·1	·1	...	...	...	...	...	1·5	1·0
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	·4	·1	·2	...	...	...	1·7	1·8
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	0·3	0·3
22	...	...	...	·1	·4	...	1·5	·2	...	...	1·2	...	...	·3	...	...	...	...	·6	1·1	·3	·1	·2	·2	6·2	3·0
23	·1	1·2	·7	1·0	·4	·1	·1	...	...	...	...	...	·6	...	...	...	...	...	...	...	...	...	...	...	4·2	2·8
24	·1	...	...	...	...	...	...	...	...	...	·4	2·8	3·3	2·2	4·6	8·7	6·3	·1	...	...	...	...	...	·2	28·7	6·9
25	·4	...	...	...	·6	1·4	...	·5	1·5	·2	...	...	...	...	...	...	...	...	...	·9	...	...	...	...	5·5	2·1
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	0·2	0·5
27	·9	2·0	·4	...	...	·1	1·1	·5	...	·6	...	...	...	...	...	...	...	...	...	...	·4	·3	·1	·1	6·5	3·8
28	...	...	·1	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	0·5	0·7
29	...	...	·2	·2	·1	2·0	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	1·2
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·2
Sum.	4·9	4·5	5·8	5·6	6·2	**9·9**	9·1	9·4	4·8	6·1	7·4	7·9	9·5	5·2	8·7	9·9	8·2	1·6	3·3	4·9	1·7	1·6	4·1	2·5	142·8	65·5
Total Duration.	hr. 3·6	hr. 2·9	hr. **4·2**	hr. 3·0	hr. 3·4	hr. 3·2	hr. 2·5	hr. 2·9	hr. 1·9	hr. 2·7	hr. 2·8	hr. 3·0	hr. 4·0	hr. 3·8	hr. 3·4	hr. 2·3	hr. 1·6	hr. 1·6	hr. 1·8	hr. 2·4	hr. 2·0	hr. 1·9	hr. 2·1	hr. 2·5	hr. 65·5	

340. Cahirciveen (Valencia Observatory) : H_r = 9·1 metres + 0·5 metres. **October, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
2	...	·2	·1	·2	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	1·0	2·8	3·0
3	2·6	2·6	·6	...	...	...	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·1	2·3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	·2	·6	·6	·4	·1	...	·1	...	...	...	...	...	...	...	·1	...	...	...	...	...	·1	2·2	3·7
6	...	·2	·1	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3
7	...	...	...	...	·2	·2	·1	...	·1	...	...	...	·1	·3	1·1	1·8	·6	1·2	·1	·1	...	·2	·1	...	6·2	6·6
8	...	...	...	...	...	...	...	...	...	...	...	1·0	1·2	1·8	1·0	...	...	...	...	...	...	...	·1	·2	5·3	3·0
9	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
10	...	...	...	...	...	1·4	1·0	·4	1·2	1·8	1·6	1·2	·6	...	...	...	...	...	·2	·8	·8	1·0	·5	·1	12·6	11·7
11	...	...	...	...	...	...	...	...	...	...	...	·3	...	·4	...	...	...	...	...	...	...	...	·8	...	1·5	0·5
12	...	...	...	...	...	·6	...	...	·3	...	·5	...	...	...	...	...	...	...	...	...	...	·2	1·7	...	3·3	1·5
13	·1	·1	·1	...	...	...	...	...	...	...	·8	...	·1	·1	...	...	...	...	...	...	...	...	...	2·1	3·4	0·9
14	...	1·0	...	·1	...	1·0	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	0·8
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·1	...	...	...	0·3	0·3
16	...	·4	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	·1	...	...	...	·1	...	...	0·9	0·5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·1	...	...	1·9	2·3	1·3
19	1·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	·4	·2	...	·1	·2	2·8	1·1
20	...	1·6	·7	·6	...	...	...	...	...	...	...	...	...	...	2·4	3·2	3·1	2·6	1·0	10·2	1·7	1·9	2·0	·8	31·8	9·8
21	1·9	·8	·2	...	...	...	·3	...	...	...	...	·4	·6	·6	...	·2	...	...	·5	·3	·7	·2	...	...	6·7	3·7
22	·7	·6	·3	...	...	·3	...	...	...	...	·2	...	...	...	...	...	...	1·1	·1	...	...	...	·5	·1	3·9	1·9
23	·2	·7	1·5	4·6	2·5	·1	...	·1	·1	·6	...	...	...	...	...	·5	·2	1·8	...	·6	·2	1·5	...	·2	15·4	5·5
24	·8	...	...	·6	·6	·3	·3	·5	·3	3·0	1·1	...	·4	1·2	...	...	...	·1	1·6	...	...	...	...	·7	11·5	2·8
25	...	...	·2	·3	·5	...	1·2	...	...	1·3	·1	...	...	...	...	...	...	·8	...	...	...	·2	1·0	...	5·6	2·2
26	...	...	...	1·1	·3	·1	...	1·3	·1	·1	·5	...	...	...	3·1	2·2	2·4	3·7	1·0	...	...	...	·4	2·5	18·8	7·4
27	·1	·3	·2	...	·7	·5	1·9	1·4	·5	·5	...	...	...	...	...	·4	·6	...	...	...	...	...	·1	...	7·2	4·8
28	·2	1·0	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	1·6	0·6
29	...	...	...	·2	·7	2·6	3·2	2·4	3·4	1·7	·1	·3	·2	·2	...	...	...	...	...	·1	·1	...	·1	1·4	·9	17·6	9·5
30	·2	1·8	1·4	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	3·7	2·6
31	...	·1	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3
Sum.	8·5	11·6	5·7	8·2	6·7	7·8	8·9	6·3	6·3	9·2	4·9	3·2	3·2	4·6	7·6	8·3	7·1	**11·7**	4·7	12·8	3·8	5·4	9·6	10·8	176·9	89·0
Total Duration.	hr. 3·3	hr. 4·8	hr. 3·8	hr. 4·5	hr. 5·4	hr. 5·4	hr. 4·7	hr. 3·7	hr. 3·5	hr. 3·6	hr. 2·1	hr. 2·0	hr. 2·6	hr. 3·0	hr. 2·8	hr. 3·6	hr. 3·6	hr. 3·9	hr. 2·8	hr. 3·3	hr. 2·2	hr. 3·3	hr. 5·1	hr. **6·0**	hr. 89·0	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

341. Cahirciveen (Valencia Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 9·1 metres + 0·5 metres. **November, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	2·0	·1	·6	...	·1	...	·1	·5	·3	...	4·3	2·4
2	...	...	...	...	...	...	...	...	...	·1	·3	·9	·1	...	·2	·9	·3	·1	·2	·3	...	...	...	...	3·4	3·4
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	...	·1	·2	...	...	...	...	0·8	0·4
4	...	...	...	...	·2	·1	·1	·7	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	·5	·2	2·0	1·1
5	...	...	·5	...	1·9	...	·5	...	·6	·4	...	...	...	...	...	...	·2	·1	1·0	·2	·4	·2	...	...	6·0	2·2
6	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·1	·1	...	·2	...	...	2·0	1·3
7	...	...	·2	...	...	...	...	...	...	...	...	...	...	·9	·7	1·0	·2	·2	...	·1	...	...	...	...	3·3	3·6
8	...	...	·8	...	...	·1	...	·7	...	·6	...	...	...	...	·4	·3	...	...	·3	·1	...	...	...	...	3·3	1·6
9	...	...	...	...	...	·3	·1	·8	·7	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	1·2
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·6	·6	·9	·2	...	...	2·6	3·9
12	·1	·1	...	...	...	...	...	...	·2	·3	·2	·9	1·0	1·7	1·5	1·3	1·1	·2	·3	·4	·1	·1	...	·4	9·9	**10·0**
13	·6	1·7	·7	...	...	·8	·4	1·7	·9	·8	·6	·4	·2	·2	·5	...	...	...	...	·8	...	...	·2	...	10·5	8·5
14	·3	...	...	...	·2	...	·2	...	·2	·6	...	...	...	...	...	...	...	...	...	...	·3	...	...	·4	2·2	1·3
15	...	·9	1·9	2·4	3·0	2·9	·4	...	·4	·2	·1	·1	...	...	...	...	...	...	...	...	...	...	·3	...	**12·6**	5·3
16	1·0	...	...	...	...	...	...	...	...	...	...	·2	·1	...	...	...	1·3	5·2	·6	·9	·5	·2	...	·1	10·1	3·5
17	...	·1	...	...	...	...	·6	...	...	1·0	·9	·2	...	·2	...	...	...	·5	1·3	·1	·1	·2	...	·6	5·8	2·7
18	...	1·0	...	·6	·2	·3	...	...	...	...	...	...	·3	·2	·6	1·2	·3	...	...	...	...	...	...	...	4·7	1·7
19	...	...	1·0	·5	·6	...	...	...	...	...	...	·6	·9	...	...	...	...	·5	·3	·2	...	·1	...	·2	4·9	2·0
20	...	·1	·7	...	·4	...	·3	·2	·5	...	·2	·3	...	·1	·4	·6	·1	·1	·2	...	·9	·1	...	...	5·2	3·1
21	...	...	...	...	·4	1·6	·6	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8	1·1
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	0·3	0·2
25	...	...	...	...	...	...	...	...	...	·3	·4	·1	...	...	...	...	·4	1·4	·5	...	...	2·7	1·9	·1	7·8	3·8
26	...	...	3·0	·9	·2	...	...	...	...	...	...	...	·1	2·5	·2	...	...	...	...	...	...	...	...	...	6·9	2·8
27	...	...	...	...	...	...	...	...	...	·2	2·9	·7	·5	·7	·1	·5	·3	...	...	...	...	...	...	...	5·9	4·6
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	2·0	2·9	·8	1·4	...	...	...	8·0	4·3
Sum.	2·5	3·9	8·8	4·4	7·1	6·1	3·3	3·7	4·3	4·1	6·2	4·4	3·2	7·1	6·6	5·9	6·2	**11·0**	9·5	4·8	4·7	4·5	3·2	2·0	127·5	76·4
Total Duration.	hr. 1·7	hr. 1·9	hr. 3·5	hr. 1·9	hr. 2·5	hr. 2·3	hr. 2·4	hr. 1·9	hr. 2·3	hr. 3·0	hr. 3·4	hr. 3·7	hr. 3·4	hr. 4·5	hr. 4·7	hr. 4·3	hr. 4·2	hr. 4·9	hr. **5·7**	hr. 5·0	hr. 3·5	hr. 2·6	hr. 1·5	hr. 1·6	hr. 76·4	

342. Cahirciveen (Valencia Observatory): H_r = 9·1 metres + 0·5 metres. **December, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	·4	1·0	3·0	2·2	1·0	...	...	...	7·8	3·7
2	...	...	·3	...	...	...	...	·3	·1	1·7	...	·5	·1	·2	·1	·4	...	·3	...	...	·2	...	·1	·5	4·8	2·8
3	...	·4	·2	·2	...	...	...	·2	...	·7	...	...	...	...	...	...	...	...	·3	·7	2·2	2·2	1·7	...	8·8	5·3
4	·1	·6	...	...	·3	·1	·7	·6	·6	1·2	...	·1	·3	·6	·3	...	2·2	...	1·0	...	...	...	...	...	8·7	3·8
5	...	·1	·5	·7	...	...	·2	·1	·1	...	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	2·0
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	2·1	1·0	2·6	1·8	3·3	11·7	5·4
7	5·6	6·9	4·8	2·0	1·9	1·1	·4	·3	...	...	·4	...	·1	...	...	...	...	...	·1	·3	...	...	...	...	**23·9**	7·5
8	...	...	...	...	...	...	...	...	·1	...	·1	·7	...	...	...	...	...	...	...	...	·2	...	·1	...	1·2	0·7
9	·1	...	...	...	...	...	...	...	...	·2	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	0·5	0·5
10	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	0·2	0·2
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	·1	...	...	·1	1·5	·4	·5	·4	...	·4	1·6	1·0	·9	1·0	2·6	·8	2·5	2·4	·7	...	16·9	**11·0**
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	0·3	0·4
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
17	·3	·1	...	·1	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·8
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	·2	·7	·1	...	...	·3	1·3	1·0	·4	·3	...	...	...	...	...	...	4·3	4·9
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·5	·3	·6	...	1·5	1·5
23	...	...	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·5	0·5
24	·8	1·1	·1	...	...	...	...	·2	·6	·6	2·2	2·5	·5	...	...	...	...	...	...	...	...	...	...	...	8·6	6·1
25	...	...	·1	...	...	...	...	·6	·7	...	1·3	1·9	1·3	·2	...	...	...	·5	...	...	...	·1	...	...	6·7	4·2
26	...	...	...	...	...	...	...	...	...	...	...	...	·6	1·2	1·2	2·4	1·6	1·5	·8	·5	...	...	...	...	9·8	7·4
27	...	...	...	...	...	...	...	...	...	...	·5	·2	·3	...	...	...	1·2	·5	...	·5	2·1	·1	...	...	5·4	3·0
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	·9	·1	·4	·3	·7	·5	·1	·8	·4	...	...	...	...	...	...	...	...	...	...	4·2	5·1
30	·4	1·8	3·3	·4	...	...	...	...	·1	·3	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	6·3	2·2
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
Sum.	7·3	**11·0**	9·6	3·4	2·1	2·3	0·8	3·2	4·3	6·0	7·7	6·3	4·0	3·3	4·9	5·2	4·5	7·7	7·7	8·1	9·7	7·7	5·0	4·0	135·8	79·5
Total Duration.	hr. 2·8	hr. 3·5	hr. 2·8	hr. 2·2	hr. 1·3	hr. 1·7	hr. 1·5	hr. 3·3	hr. 3·4	hr. 4·7	hr. 4·5	hr. 3·2	hr. 3·9	hr. 3·7	hr. 3·5	hr. 3·8	hr. 3·3	hr. **4·9**	hr. 4·3	hr. 4·5	hr. 4·8	hr. 3·7	hr. 2·7	hr. 1·5	hr. 79·5	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

343. Cahirciveen (Valencia Observatory) : h_s (height of recorder above ground) = 12·8 metres.

January, 1923.

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
2	—	—	—	—	—	...	...	...	·2	·2	·2	·1	...	—	—	—	—	—	0·7	9
3	—	—	—	—	—	...	·2	·4	·6	·4	·4	...	...	—	—	—	—	—	2·0	26
4	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
5	—	—	—	—	—	...	...	...	·1	·9	·8	·2	...	—	—	—	—	—	2·0	25
6	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
8	—	—	—	—	—	...	·5	·6	1·0	1·0	1·0	·5	...	—	—	—	—	—	4·6	58
9	—	—	—	—	—	...	·4	·2	·4	·4	·1	·1	...	—	—	—	—	—	1·6	20
10	—	—	—	—	—	...	...	·1	·5	·8	·2	·3	...	—	—	—	—	—	1·9	24
11	—	—	—	—	—	...	·6	·9	·4	·1	...	...	...	—	—	—	—	—	2·0	25
12	—	—	—	—	—	...	·8	1·0	·9	1·0	1·0	...	...	—	—	—	—	—	4·7	58
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
14	—	—	—	—	...	...	...	·7	·7	·4	·9	·4	...	...	—	—	—	—	3·1	38
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
16	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
18	—	—	—	—	...	...	·7	·5	·9	...	...	...	...	...	—	—	—	—	2·1	25
19	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
20	—	—	—	—	...	...	·2	·8	·9	·7	·7	·3	...	...	—	—	—	—	3·6	43
21	—	—	—	—	...	...	...	...	...	...	·3	1·0	·8	...	—	—	—	—	2·1	25
22	—	—	—	—	...	...	·2	...	...	...	·5	...	·6	...	—	—	—	—	1·3	15
23	—	—	—	—	...	...	...	...	...	...	...	...	·5	...	—	—	—	—	0·5	6
24	—	—	—	—	...	...	...	·1	...	...	...	...	...	...	—	—	—	—	0·1	1
25	—	—	—	—	...	...	...	...	·2	·4	·2	·3	...	...	—	—	—	—	1·1	13
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
27	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
30	—	—	—	—	...	...	...	·7	...	...	...	...	...	...	—	—	—	—	0·7	8
31	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
Sum.	—	—	—	—	...	...	3·6	6·0	**6·8**	6·3	6·3	3·2	1·9	...	—	—	—	—	34·1	—
Mean.	—	—	—	—	...	...	0·12	0·19	**0·22**	0·20	0·20	0·10	0·06	...	—	—	—	—	1·10	13

344. Cahirciveen (Valencia Observatory) : h_s = 12·8 metres. **February, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
2	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
3	—	—	—	—	...	...	·2	...	...	...	·1.	...	...	...	—	—	—	—	0·3	3
4	—	—	—	—	...	...	·3	·3	·6	·8	·7	·2	...	...	—	—	—	—	2·9	32
5	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
6	—	—	—	—	...	...	·4	·9	·6	·2	...	...	·4	...	—	—	—	—	2·5	27
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
9	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
11	—	—	—	—	...	·2	·4	1·0	1·0	1·0	·9	·5	...	...	—	—	—	—	5·0	52
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
13	—	—	—	—	...	...	...	·2	·2	...	·5	·4	...	·2	—	—	—	—	1·5	15
14	—	—	—	—	...	·9	1·0	1·0	1·0	·3	·2	...	...	...	—	—	—	—	4·4	45
15	—	—	—	—	...	...	...	...	...	...	...	...	·2	...	—	—	—	—	0·2	2
16	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
18	—	—	—	—	...	...	·6	·4	·1	...	·2	...	·3	...	—	—	—	—	1·6	16
19	—	—	—	...	...	...	...	...	...	...	...	·5	...	...	...	—	—	—	0·5	5
20	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
21	—	—	—	...	...	·2	·1	·1	·7	·2	·4	·5	...	...	...	—	—	—	2·2	21
22	—	—	—	...	...	...	...	...	...	...	...	·6	·2	·2	...	—	—	—	1·0	10
23	—	—	—	...	...	...	...	·2	...	...	...	...	...	...	...	—	—	—	0·2	2
24	—	—	—	...	...	·6	·9	·9	·8	·6	1·0	1·0	1·0	·5	...	—	—	—	**7·3**	**70**
25	—	—	—	...	...	·4	·8	·2	...	...	...	...	...	...	...	—	—	—	1·4	13
26	—	—	—	...	...	...	...	·1	·2	·1	...	...	...	...	...	—	—	—	0·4	4
27	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
28	—	—	—	...	...	...	·1	...	·7	1·0	·7	·8	·2	·1	...	—	—	—	3·6	34
Sum.	—	—	—	...	...	2·3	4·8	5·3	**5·9**	4·2	4·7	4·5	2·3	1·0	...	—	—	—	35·0	—
Mean.	—	—	—	...	...	0·08	0·17	0·19	**0·21**	0·15	0·17	0·16	0·08	0·04	...	—	—	—	1·25	9

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

345. Cahirciveen (Valencia Observatory) : h_s (height of recorder above ground) = 12·8 metres.

March, 1923.

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	...	...	...	...	...	...	...	...	·1	...	...	—	—	—	0·1	1
2	—	—	—	...	...	·3	·4	·4	·7	1·0	·5	·5	·9	...	...	—	—	—	4·7	43
3	—	—	—	...	...	·3	·8	1·0	·9	·9	·8	·7	·4	·5	...	—	—	—	6·3	53
4	—	—	—	...	...	...	·2	...	...	...	...	...	...	...	...	—	—	—	0·2	2
5	—	—	—	...	·2	·8	1·0	1·0	1·0	·9	1·0	·7	·5	...	...	—	—	—	7·1	64
6	—	—	—	...	...	·7	·7	·7	·3	·9	·7	·5	·4	...	...	—	—	—	4·9	44
7	—	—	—	...	...	·2	·2	·3	1·0	·7	·4	·2	...	...	...	—	—	—	3·0	27
8	—	—	—	...	...	·2	1·0	1·0	1·0	1·0	1·0	·6	·9	·4	...	—	—	—	7·1	63
9	—	—	—	...	...	...	·5	1·0	·8	·8	·9	·9	·3	·2	...	—	—	—	5·4	48
10	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
11	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
12	—	—	—	...	...	...	...	...	·8	1·0	·9	·6	·4	...	...	—	—	—	3·7	33
13	—	—	—	...	·6	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	**9·6**	**83**
14	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	—	—	—	9·1	78
15	—	—	—	...	...	...	...	·1	·9	1·0	1·0	·8	·8	·3	...	—	—	—	4·9	45
16	—	—	—	...	...	...	...	...	·1	·2	·7	·2	·5	...	...	—	—	—	1·7	14
17	—	—	—	...	...	...	·2	...	·3	·5	·8	1·0	1·0	1·0	...	—	—	—	4·8	40
18	—	—	—	...	·8	1·0	1·0	1·0	1·0	·7	·8	1·0	1·0	·8	...	—	—	—	9·1	76
19	—	—	—	...	...	·3	...	...	...	·5	·1	...	...	...	...	—	—	—	0·9	7
20	—	—	—	...	...	...	·4	·9	·1	·5	·5	·4	...	...	...	—	—	—	2·8	23
21	—	—	...	...	...	·2	·3	·2	...	·7	1·0	·8	·4	·2	...	...	—	—	3·8	31
22	—	—	...	...	...	...	·4	...	...	·1	·2	·5	·6	1·0	·2	...	—	—	3·0	25
23	—	—	...	...	...	·9	1·0	·9	1·0	·5	·5	·9	·3	...	...	...	—	—	6·0	49
24	—	—	...	...	·2	...	·2	1·0	1·0	1·7	·1	·4	·1	·2	...	...	—	—	3·9	32
25	—	—	...	...	·5	·8	1·0	1·0	1·0	1·0	1·0	·8	·8	·9	·4	...	—	—	9·2	74
26	—	—	...	...	·2	·2	·9	·9	·2	...	...	...	...	...	...	...	—	—	2·2	18
27	—	—	...	...	...	...	...	...	·1	·3	·3	·5	·1	...	...	...	—	—	1·3	10
28	—	—	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	·7	·2	...	—	—	9·4	75
29	—	—	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	—	—	0·2	2
30	—	—	...	...	...	...	...	·5	1·0	1·0	1·0	1·0	·8	1·0	·8	...	—	—	7·1	56
31	—	—	...	...	...	...	...	...	...	...	·3	·3	·9	·8	·3	...	—	—	2·6	20
Sum.	—	—	...	0·2	4·0	8·9	13·4	14·8	16·2	**17·9**	17·5	16·3	13·5	9·4	2·0	...	—	—	134·1	—
Mean.	—	—	...	0·01	0·13	0·29	0·43	0·48	0·52	**0·58**	0·56	0·53	0·44	0·30	0·06	...	—	—	4·33	37

346. Cahirciveen (Valencia Observatory) : h_s = 12·8 metres. **April, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	...	...	·8	1·0	1·0	1·0	1·0	·8	·9	1·0	·1	...	...	...	—	—	7·6	59
2	—	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	—	—	**11·5**	**89**
3	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
4	—	—	...	...	...	·1	·2	·3	·4	·7	·5	·8	·4	·9	·5	...	—	—	4·8	37
5	—	—	...	...	·1	1·0	1·0	1·0	1·0	·8	1·0	1·0	·7	·1	·2	...	—	—	7·9	60
6	—	—	...	·6	1·0	1·0	1·0	1·0	·9	·9	·8	...	...	...	...	...	—	—	7·2	55
7	—	—	...	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	—	10·2	77
8	—	—	...	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	...	...	—	—	9·2	69
9	—	—	...	...	...	...	...	·3	·5	...	·2	·2	·1	...	...	...	—	—	1·3	10
10	—	—	...	...	·4	1·0	·9	·5	...	·9	·3	...	...	...	...	...	—	—	4·0	30
11	—	—	...	...	...	...	...	...	...	·4	·6	...	...	...	...	...	—	—	1·0	7
12	—	—	...	·8	1·0	1·0	1·0	1·0	·3	...	·2	·6	1·0	1·0	·1	...	—	—	8·0	59
13	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
14	—	—	...	·2	...	...	·1	...	...	...	...	...	...	...	...	...	—	—	0·3	2
15	—	—	...	...	·1	...	...	·2	·2	·2	·4	·6	·1	...	...	...	—	—	1·8	13
16	—	—	...	...	·3	·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·4	—	—	10·0	72
17	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
18	—	—	...	...	...	...	...	...	...	·1	...	...	...	·1	·9	·2	—	—	1·3	9
19	—	—	·4	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	·2	...	...	...	...	—	—	7·3	52
20	—	—	...	...	·9	1·0	·8	1·0	1·0	1·0	·4	...	...	...	...	...	—	—	6·1	43
21	—	—	...	·4	·6	·5	·4	·9	·5	·4	·3	·6	·5	·2	...	...	...	—	5·3	37
22	—	—	...	...	...	...	·6	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	—	8·8	62
23	—	...	·3	·4	·8	·6	·3	·4	·7	·1	1·0	·8	·8	1·0	1·0	·1	...	—	8·3	58
24	—	...	·5	1·0	1·0	1·0	1·0	·9	1·0	1·0	·9	...	...	...	...	...	...	—	8·3	58
25	—	...	...	...	·3	·4	·2	·7	·4	·2	1·0	1·0	·5	...	·1	·1	...	—	4·9	34
26	—	...	...	·1	·5	1·0	·7	·7	·9	·8	·6	1·0	1·0	·4	·1	·1	...	—	7·9	55
27	—	...	...	...	·3	·2	·3	·9	1·0	1·0	1·0	1·0	1·0	·9	1·0	·7	...	—	9·3	64
28	—	...	...	·8	·5	...	...	...	...	...	...	...	...	...	...	...	...	—	1·3	9
29	—	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	—	0·1	1
30	—	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	—	0·2	1
Sum.	—	...	1·2	6·6	11·6	14·5	14·6	**16·8**	15·7	15·0	15·1	13·8	10·6	8·8	7·5	2·1	...	—	153·9	—
Mean.	—	...	0·04	0·22	0·39	0·48	0·49	**0·56**	0·52	0·50	0·50	0·46	0·35	0·29	0·25	0·07	...	—	5·1	37

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

347. Cahirciveen (Valencia Observatory) : h_S (height of recorder above ground) = 12·8 metres. **May, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	...	...	·3	·1	·5	·9	·7	1·0	1·0	·9	·8	1·0	1·0	1·0	...	...	—	9·2	62
2	—	...	1·0	1·0	·2	·6	·9	1·0	·1	·1	·1	·2	·8	1·0	·8	·1	...	—	7·9	53
3	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
4	—	...	...	...	...	...	...	·2	·6	·3	...	...	...	...	...	...	...	—	1·1	7
5	—	...	·1	·6	...	·9	·2	...	...	·9	1·0	1·0	1·0	·9	·6	...	...	—	7·2	48
6	—	...	...	...	...	...	...	...	...	...	·1	...	...	...	·1	·1	·1	—	0·4	3
7	—	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	14·4	**95**
8	—	...	...	·1	...	·1	·2	·9	·3	·3	·3	·9	1·0	·7	1·0	·4	·2	—	6·4	42
9	—	...	·8	·7	·5	·7	·9	·6	·6	·6	·7	·8	1·0	1·0	·9	·8	...	—	10·6	70
10	—	...	...	·8	·8	·7	·9	·6	·6	·5	·5	...	...	...	...	...	...	—	5·4	35
11	—	...	·3	·4	·3	·7	·6	·7	·2	·3	·3	·6	·5	·6	·6	·6	...	—	6·7	44
12	—	...	·7	·5	·6	·7	·8	...	...	·2	...	...	...	...	...	...	...	—	3·5	23
13	—	·2	·1	·4	·5	·9	·7	·8	1·0	·9	·9	·7	·1	...	·3	·5	...	—	8·0	52
14	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·1	—	0·2	1
15	—	...	·1	·8	1·0	1·0	1·0	·7	1·0	1·0	1·0	1·0	·8	·4	·6	...	...	—	10·4	67
16	—	...	·6	·6	1·0	1·0	1·0	·9	·7	·4	·7	·4	·1	...	·2	·4	...	—	8·0	51
17	—	...	...	...	...	...	·2	·3	·3	·5	·5	...	·2	...	...	...	...	—	2·0	13
18	—	...	...	...	·2	·8	·8	·7	·2	·2	·1	·7	...	·2	·5	...	...	—	4·4	28
19	—	...	...	...	·1	·2	·1	·3	·5	·1	...	...	...	...	...	...	...	—	1·3	8
20	—	...	...	...	...	...	...	...	...	...	...	...	·1	·3	·1	·4	...	—	0·9	6
21	—	...	...	...	·5	·2	...	...	...	·5	...	...	...	...	...	...	...	—	1·2	8
22	—	...	...	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	—	0·3	2
23	—	...	...	·1	·9	·6	·9	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	·6	·2	—	11·1	70
24	—	...	·8	·8	·2	·2	·1	·9	...	...	...	...	...	...	...	...	...	—	3·0	19
25	—	...	...	·1	·1	·1	·2	·5	·5	·8	·9	·7	·7	·9	·9	·9	·2	—	7·5	47
26	—	...	·2	·5	·7	·4	·8	·8	·8	·9	1·0	1·0	1·0	1·0	·4	...	...	—	9·5	59
27	...	...	...	...	...	·3	·2	·1	·2	1·0	·5	1·0	·6	1·0	·8	·7	·2	...	6·6	41
28	...	...	·8	·9	·1	·1	·1	·6	·4	·9	·8	·5	1·0	1·0	·9	·3	...	...	8·4	52
29	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	**14·8**	92
30	...	...	·7	·6	1·0	1·0	1·0	1·0	·6	...	...	...	...	...	...	...	...	...	5·9	36
31	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	...	...	14·0	86
Sum.	...	1·0	9·2	12·2	11·8	14·7	15·5	**16·1**	13·2	15·6	14·8	14·3	13·9	13·8	13·7	8·9	1·6	...	190·3	—
Mean.	...	0·03	0·30	0·39	0·38	0·47	0·50	**0·52**	0·43	0·50	0·48	0·46	0·45	0·45	0·44	0·29	0·05	...	6·14	39

348. Cahirciveen (Valencia Observatory) : h_S = 12·8 metres. **June, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	·6	·7	·9	·2	·4	·5	·5	...	...	·2	...	·2	...	...	...	4·2	26
2	...	·1	·9	1·0	1·0	1·0	1·0	·9	·6	·2	·7	1·0	1·0	1·0	·7	...	...	...	**12·1**	**74**
3	...	·1	·2	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	...	·2	...	...	...	7·4	45
4	...	...	...	...	...	·5	·1	·8	·6	·4	·9	·6	1·0	1·0	·6	·4	...	...	6·9	42
5	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·0	·1	·2	...	1·7	10
6	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	0·2	1
7	...	...	·3	...	...	·2	...	·1	...	...	...	...	...	...	...	...	...	...	0·6	4
8	...	...	...	...	...	...	...	...	...	·4	·5	·5	·5	...	...	...	...	...	1·9	11
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	·9	·8	·9	1·0	·5	·9	·9	1·0	·5	·9	·8	·7	·1	...	9·9	63
11	...	...	...	...	·4	·3	·5	·9	·7	·9	1·0	1·0	1·0	·8	...	...	...	...	7·5	45
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	·3	·6	·3	·6	·2	·3	·2	·6	·1	...	...	3·2	19
14	...	...	·1	·5	...	·3	·7	·5	1·0	1·0	1·0	1·0	·5	·2	...	...	...	...	6·8	41
15	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	...	...	...	...	0·5	3
16	...	...	...	...	...	·1	·2	·3	·7	·7	·7	·3	·3	·2	...	...	...	...	3·5	21
17	...	...	...	...	...	·1	·1	·4	·5	·1	...	...	...	...	...	...	...	...	1·2	7
18	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	0·1	1
19	...	...	·2	1·0	·2	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	...	11·9	71
20	...	...	·8	·9	·9	·9	·5	·5	·9	1·0	1·0	·8	·6	·6	...	...	...	...	9·4	56
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	·2	·7	·1	...	...	...	...	...	...	...	1·0	6
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	·2	...	...	·2	...	...	...	...	...	...	...	...	0·4	2
25	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	0·3	2
26	...	...	...	...	...	...	...	...	...	...	...	·3	·4	·7	·7	·2	...	...	2·3	14
27	...	...	...	...	...	·5	·7	·9	1·0	1·0	1·0	1·0	·6	...	...	...	...	...	6·7	40
28	...	·8	1·0	1·0	·6	...	·1	...	...	...	...	...	·2	·1	...	...	...	...	3·8	23
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·8	1·0	·8	...	2·9	17
Sum.	...	1·0	3·5	5·0	5·4	7·2	7·2	9·1	10·4	**10·7**	10·2	8·6	8·5	7·5	6·9	4·1	1·1	...	106·4	—
Mean.	...	0·03	0·12	0·17	0·18	0·24	0·24	0·30	0·35	**0·36**	0·34	0·29	0·28	0·25	0·23	0·14	0·04	...	3·55	21

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

349. Cahirciveen (Valencia Observatory): h_s (height of recorder above ground) = 12·8 metres. **July, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	1
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	·2	·9	...	1·3	8
4	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	0·2	1
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	0·3	2
6	...	...	·6	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	·2	...	12·2	74
7	...	...	...	...	...	...	...	...	...	...	...	...	·3	·6	...	...	...	...	0·9	5
8	...	...	·1	·5	·8	·2	...	...	...	...	...	...	...	...	...	...	...	...	1·6	10
9	...	...	...	...	·5	·5	...	...	·2	·1	·2	·8	·9	1·0	1·0	1·0	·5	...	6·7	41
10	...	...	·5	·3	1·0	1·0	1·0	·8	·9	1·0	1·0	1·0	·7	·8	1·0	·3	...	...	11·3	69
11	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	1·0	·7	·3	...	13·5	82
12	...	...	...	...	...	·1	·1	·3	·5	·8	·7	1·0	1·0	1·0	1·0	1·0	·9	...	8·4	51
13	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	**14·9**	**91**
14	...	...	1·0	·9	1·0	1·0	1·0	1·0	1·0	·2	...	...	...	...	...	...	...	...	7·1	44
15	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	1
16	...	...	·9	·1	·3	·2	...	...	·1	...	·6	1·0	1·0	1·0	·2	·2	...	...	5·6	35
17	...	...	...	·1	·2	·4	·2	...	·2	·8	·5	·9	·9	·8	1·0	·2	...	...	6·2	38
18	...	...	...	1·0	·7	·2	·3	...	...	·1	...	...	·2	...	...	...	...	...	2·5	15
19	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	1
20	—	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	—	0·1	1
21	—	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	—	0·1	1
22	—	...	...	...	...	...	·2	...	...	·2	·1	...	...	...	...	...	...	—	0·5	3
23	—	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	·5	·3	—	1·4	9
24	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
25	—	...	...	...	...	...	...	·4	·4	·5	·8	·6	·9	·4	·6	...	...	—	4·6	29
26	—	...	...	·1	·1	...	...	·2	·3	·6	·5	·5	·5	·2	...	...	...	—	3·0	19
27	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
28	—	...	...	·3	·1	·4	·8	·7	·8	·7	1·0	·7	1·0	·9	·2	·1	...	—	7·7	49
29	—	...	...	...	...	...	...	...	...	...	...	...	...	·9	·5	·9	·2	—	2·5	16
30	—	...	...	...	...	...	...	·1	·5	·9	·8	1·0	1·0	·9	·6	·3	...	—	6·1	39
31	—	...	...	...	...	...	...	...	·5	·5	·8	·9	1·0	·9	1·0	·5	·4	—	6·5	42
Sum.	...	0·7	5·1	6·3	7·7	7·0	6·7	6·7	8·5	9·4	10·2	11·5	**12·3**	12·0	10·1	7·2	4·1	...	125·5	—
Mean.	...	0·02	0·16	0·20	0·25	0·23	0·22	0·22	0·27	0·30	0·33	0·37	**0·40**	0·39	0·33	0·23	0·13	...	4·05	25

350. Cahirciveen (Valencia Observatory) : h_s = 12·8 metres. **August, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	...	·9	·4	·9	·3	·8	1·0	·9	1·0	1·0	·1	1·0	·8	...	...	...	—	9·1	59
2	—	...	...	...	...	...	...	...	...	...	·4	·9	1·0	1·0	1·0	·1	...	—	4·4	29
3	—	...	·2	·9	1·0	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·6	...	...	—	11·4	74
4	—	...	·1	·3	1·0	·8	·7	·6	1·0	1·0	1·0	·2	·2	·2	·1	...	...	—	7·2	47
5	—	...	...	...	·6	1·0	1·0	·6	1·0	1·0	1·0	1·0	1·0	·7	·5	·9	...	—	10·3	68
6	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
7	—	...	...	...	...	...	·6	·8	1·0	·8	·6	·1	...	...	·4	...	...	—	4·3	28
8	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
9	—	...	...	·4	...	·4	·8	·8	1·0	·7	·8	·1	·1	·1	·2	...	...	—	5·4	36
10	—	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·2	...	—	**12·7**	**85**
11	—	...	...	·1	·4	·5	1·0	1·0	1·0	·2	·3	·6	...	...	...	...	...	—	5·1	34
12	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
13	—	...	...	...	...	...	...	...	...	...	...	·5	·5	1·0	·6	...	...	—	2·6	18
14	—	...	...	...	...	...	...	...	·3	·8	1·0	1·0	·9	·4	·2	...	...	—	4·6	31
15	—	...	·2	·5	·8	·8	1·0	·7	1·0	1·0	·8	1·0	1·0	·2	...	...	...	—	9·0	61
16	—	...	...	...	...	...	·4	·2	...	...	...	...	...	...	...	...	...	—	0·6	4
17	—	...	...	...	...	·1	·3	·1	·2	1·0	·7	·5	·2	·3	...	...	...	—	3·4	23
18	—	...	...	...	·6	·8	·7	·3	...	·6	·4	·2	·4	·2	...	...	...	—	4·2	29
19	—	...	...	·7	·3	·1	...	...	...	...	...	...	...	...	...	...	...	—	1·1	8
20	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...
21	—	...	...	·4	·7	·9	1·0	·9	·5	·7	...	·2	·6	...	·5	...	...	—	6·4	45
22	—	...	·1	·4	·7	1·0	·9	1·0	1·0	1·0	1·0	1·0	·7	·7	1·0	·2	...	—	10·7	75
23	—	...	...	...	...	...	...	·1	1·0	1·0	1·0	·8	·3	...	...	...	...	—	4·2	30
24	—	—	...	...	...	·4	·9	1·0	1·0	·6	·9	1·0	1·0	1·0	·6	...	—	—	8·4	60
25	—	—	...	...	...	...	...	...	...	...	...	...	·4	·6	·4	...	—	—	1·4	10
26	—	—	...	·1	·5	·3	·8	·9	·4	·8	1·0	·5	1·0	·9	·6	...	—	—	7·8	56
27	—	—	...	...	...	·1	·1	...	·4	·4	·1	·2	·2	·1	·2	...	—	—	1·8	13
28	—	—	...	·9	·4	...	·5	1·0	1·0	·8	·9	·9	...	...	·2	...	—	—	6·6	48
29	—	—	...	...	...	...	...	...	...	·4	·4	1·0	1·0	1·0	·4	·3	—	—	4·5	33
30	—	—	...	·5	·6	·7	·8	·9	1·0	1·0	1·0	·8	1·0	·8	·5	·2	—	—	9·8	71
31	—	—	...	·4	·8	·8	1·0	1·0	1·0	1·0	·9	·9	·9	·6	·8	·2	—	—	10·3	75
Sum.	—	...	2·1	7·0	10·3	10·9	15·3	14·9	16·7	**17·8**	17·2	15·5	15·3	12·4	9·8	2·1	...	—	167·3	—
Mean.	—	...	0·07	0·23	0·33	0·35	0·49	0·48	0·54	**0·57**	0·55	0·50	0·49	0·40	0·32	0·07	...	—	5·40	37
Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

351. Cahirciveen (Valencia Observatory) : h_S (height of recorder above ground) = 12·8 metres.

September, 1923.

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	...	·2	·1	·8	·1	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·4	—	—	9·4	69
2	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·6	1·0	1·0	1·0	...	—	—	**11·3**	84
3	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
4	—	—	...	·3	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·6	·4	...	—	—	10·0	75
5	—	—	...	...	...	...	...	...	...	·6	·5	·6	·1	...	...	...	—	—	1·8	14
6	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
7	—	—	...	...	...	...	·4	·5	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	7·7	58
8	—	—	...	·4	·9	1·0	1·0	·9	·2	·4	...	...	·1	...	·2	...	—	—	5·1	39
9	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...
10	—	—	...	·7	1·0	·8	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	11·2	**86**
11	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	·2	·2	·2	·1	...	...	—	—	7·3	56
12	—	—	...	...	...	...	...	...	...	...	·4	·1	·1	...	...	...	—	—	0·6	5
13	—	—	...	...	...	...	...	...	...	...	...	...	·1	·4	...	...	—	—	0·5	4
14	—	—	...	...	·5	·8	·6	1·0	1·0	1·0	1·0	1·0	·9	·8	·4	...	—	—	9·0	71
15	—	—	...	...	·4	·5	·8	·6	·5	·4	1·0	·6	·9	·9	·3	...	—	—	6·9	54
16	—	—	...	...	·1	·8	·7	·5	1·0	·8	1·0	·8	·4	...	...	...	—	—	6·1	48
17	—	—	...	...	...	...	...	...	...	·2	...	·2	·3	...	...	...	—	—	0·7	6
18	—	—	...	...	...	·1	·6	·6	·7	·5	·4	·8	1·0	·5	·4	...	—	—	5·6	45
19	—	—	...	...	...	...	...	...	·1	·2	...	...	...	...	...	...	—	—	0·3	2
20	—	—	...	...	·7	·6	·5	·1	·4	·2	...	...	·1	...	...	...	—	—	2·6	21
21	—	—	...	...	...	...	...	...	...	...	·2	·1	...	·2	·1	...	—	—	0·6	5
22	—	—	...	...	·4	·5	·2	·5	·9	·7	1·0	1·0	1·0	·4	·4	...	—	—	7·0	57
23	—	—	...	...	·2	·7	·4	·8	·9	·8	·9	1·0	·9	1·0	·6	...	—	—	8·2	68
24	—	—	—	...	...	...	...	...	...	...	...	...	...	·4	·1	—	—	—	0·5	4
25	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
26	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
27	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
28	—	—	—	...	...	...	...	·2	·9	·7	...	...	...	...	...	—	—	—	1·8	15
29	—	—	—	...	...	...	...	...	...	·4	1·0	1·0	·9	...	...	—	—	—	3·3	28
30	—	—	—	...	·8	1·0	·4	...	...	...	...	·4	...	...	...	—	—	—	2·6	22
Sum.	—	—	...	3·2	8·0	10·5	9·6	10·5	12·6	**12·9**	12·3	12·4	11·9	9·3	6·5	0·4	—	—	120·1	—
Mean.	—	—	...	0·11	0·27	0·35	0·32	0·35	0·42	**0·43**	0·41	0·41	0·40	0·31	0·22	0·01	—	—	4·00	32

352. Cahirciveen (Valencia Observatory) : h_S = 12·8 metres.

October, 1923.

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	...	...	...	1·0	·9	·9	1·0	1·0	1·0	·4	·5	·2	—	—	—	6·9	59
2	—	—	—	...	...	·4	...	...	·2	·5	·6	·6	...	...	...	—	—	—	2·3	20
3	—	—	—	...	·2	·8	·5	·2	·8	·7	1·0	·7	·6	·2	...	—	—	—	5·7	50
4	—	—	—	...	·5	1·0	1·0	·8	·5	1·0	·9	...	...	·5	·2	—	—	—	6·4	56
5	—	—	—	...	...	·1	·2	·1	·2	·2	·4	·4	...	·2	...	—	—	—	1·8	16
6	—	—	—	...	...	·1	·1	·3	...	·5	...	...	...	...	...	—	—	—	1·0	9
7	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
8	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
9	—	—	—	...	...	...	...	·2	·6	·4	·1	·1	...	...	...	—	—	—	1·4	13
10	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
11	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
12	—	—	—	...	...	·1	·6	·6	1·0	1·0	·9	·8	·8	·5	...	—	—	—	6·3	58
13	—	—	—	...	...	·5	·6	·6	·7	·6	·7	·8	·6	·4	...	—	—	—	5·5	51
14	—	—	—	...	·3	·8	·9	1·0	·9	·7	·3	1·0	1·0	·8	...	—	—	—	**7·7**	**72**
15	—	—	—	...	...	·9	·8	·8	·4	·9	·9	·8	1·0	·2	...	—	—	—	6·7	63
16	—	—	—	...	...	...	...	·2	...	·2	·1	...	...	...	...	—	—	—	0·5	5
17	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
18	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
19	—	—	—	...	·4	·9	·8	·7	·8	·9	1·0	·9	·3	...	...	—	—	—	6·7	64
20	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...
21	—	—	—	...	...	·6	·2	·4	...	·1	...	·1	·3	...	...	—	—	—	1·7	17
22	—	—	—	...	...	·9	·8	·9	·4	·8	·8	·8	·4	·4	...	—	—	—	6·2	61
23	—	—	—	...	...	·5	·8	·9	·5	·7	·6	·6	·1	·1	...	—	—	—	4·8	47
24	—	—	—	—	...	...	·4	·9	·8	...	·5	·6	·5	...	—	—	—	—	3·7	37
25	—	—	—	—	...	...	·6	1·0	·8	·3	·3	·8	·2	...	—	—	—	—	4·0	40
26	—	—	—	—	...	·3	·7	·2	...	...	...	...	...	...	—	—	—	—	1·2	12
27	—	—	—	—	...	...	·1	·1	·2	·8	·2	·2	...	...	—	—	—	—	1·6	16
28	—	—	—	—	...	...	·5	·9	·3	·4	·3	·2	...	·1	—	—	—	—	2·7	27
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
30	—	—	—	—	...	·1	·7	1·0	·8	·8	·9	·7	·7	...	—	—	—	—	5·7	59
31	—	—	—	—	...	...	...	...	...	·4	...	·1	·4	...	—	—	—	—	0·9	9
Sum.	—	—	—	...	1·4	8·0	11·3	12·7	10·8	**12·9**	11·5	11·2	7·3	3·9	0·4	—	—	—	91·4	—
Mean.	—	—	—	...	0·05	0·26	0·36	0·41	0·35	**0·42**	0·37	0·36	0·24	0·13	0·01	—	—	—	2·95	28
Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

353. Cahirciveen (Valencia Observatory) : h_S (height of recorder above ground) = 12·8 metres.

November, 1923.

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	...	...	·4	...	·4	·1	...	...	·1	·3	...	—	—	—	1·3	14
2	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
3	—	—	—	—	...	...	...	...	...	...	·2	·6	·1	...	—	—	—	—	0·9	10
4	—	—	—	—	...	·3	·2	·8	·7	·9	·7	·4	...	...	—	—	—	—	4·0	43
5	—	—	—	—	...	...	...	·7	·9	·9	·4	·4	...	...	—	—	—	—	3·3	35
6	—	—	—	—	...	·7	1·0	1·0	1·0	1·0	1·0	·9	·4	...	—	—	—	—	**7·0**	75
7	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
9	—	—	—	—	...	...	·4	·9	1·0	·9	1·0	·6	·6	...	—	—	—	—	5·4	59
10	—	—	—	—	...	·1	·5	·6	...	·1	·5	·3	·4	...	—	—	—	—	2·5	28
11	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
12	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
14	—	—	—	—	...	·2	·7	·6	·4	·9	·5	·1	...	...	—	—	—	—	3·4	38
15	—	—	—	—	...	...	·4	·8	1·0	·7	·3	·1	...	...	—	—	—	—	3·3	38
16	—	—	—	—	...	·2	·5	·8	·8	·7	·8	·3	...	...	—	—	—	—	4·1	47
17	—	—	—	—	...	...	...	·5	·2	·3	·7	·6	...	...	—	—	—	—	2·3	27
18	—	—	—	—	...	·1	·2	·5	·2	·6	·9	·1	...	...	—	—	—	—	2·6	30
19	—	—	—	—	...	·1	·3	·7	·3	·7	·8	·4	·2	...	—	—	—	—	3·5	41
20	—	—	—	—	...	·1	·1	·1	·7	·6	·2	·2	·2	...	—	—	—	—	2·2	26
21	—	—	—	—	...	·1	1·0	1·0	1·0	1·0	1·0	·4	...	...	—	—	—	—	5·5	65
22	—	—	—	—	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	—	—	—	—	**7·0**	**83**
23	—	—	—	—	...	...	1·0	1·0	1·0	1·0	1·0	1·0	·9	...	—	—	—	—	6·9	82
24	—	—	—	—	...	...	1·0	1·0	1·0	·9	·8	·9	·8	...	—	—	—	—	6·4	77
25	—	—	—	—	...	·1	1·0	1·0	·6	·8	...	...	...	...	—	—	—	—	3·5	42
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
27	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...
28	—	—	—	—	...	...	·9	1·0	·8	1·0	·2	...	...	...	—	—	—	—	3·9	48
29	—	—	—	—	...	...	·7	·7	1·0	·8	·9	·2	·1	...	—	—	—	—	4·4	54
30	—	—	—	—	...	...	·2	·8	...	...	...	...	...	—	—	—	—	—	1·0	12
Sum.	—	—	—	—	...	2·0	11·5	**15·5**	14·0	14·9	12·9	8·5	4·8	0·3	—	—	—	—	84·4	—
Mean.	—	—	—	—	...	0·07	0·38	**0·52**	0·47	0·50	0·43	0·28	0·16	0·01	—	—	—	—	2·81	32

354. Cahirciveen (Valencia Observatory) : h_S = 12·8 metres. **December, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%
1	—	—	—	—	—	...	...	·4	...	·8	·4	...	...	—	—	—	—	—	1·6	20
2	—	—	—	—	—	...	·2	·5	·1	·8	·6	·4	...	—	—	—	—	—	2·6	32
3	—	—	—	—	—	...	·7	1·0	1·0	·4	...	...	...	—	—	—	—	—	3·1	39
4	—	—	—	—	—	...	...	·2	·3	...	·1	...	...	—	—	—	—	—	0·6	8
5	—	—	—	—	—	...	...	·8	·3	.8	·3	...	·4	—	—	—	—	—	2·6	33
6	—	—	—	—	—	...	·2	...	...	...	...	...	...	—	—	—	—	—	0·2	3
7	—	—	—	—	—	...	...	...	...	...	·1	...	...	—	—	—	—	—	0·1	1
8	—	—	—	—	—	...	·2	·1	·5	·8	1·0	·6	...	—	—	—	—	—	3·2	41
9	—	—	—	—	—	...	·1	·4	...	...	·3	...	...	—	—	—	—	—	0·8	10
10	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
13	—	—	—	—	—	...	·3	1·0	1·0	1·0	1·0	1·0	·8	—	—	—	—	—	**6·1**	**79**
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
15	—	—	—	—	—	...	·1	·1	...	...	·2	·2	...	—	—	—	—	—	0·6	8
16	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
17	—	—	—	—	—	...	·2	...	...	...	·2	·7	·1	—	—	—	—	—	1·2	16
18	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
19	—	—	—	—	—	...	...	·1	·7	·6	·3	·5	...	—	—	—	—	—	2·2	29
20	—	—	—	—	—	...	...	·2	...	·2	...	·4	...	—	—	—	—	—	0·8	10
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
23	—	—	—	—	—	...	·7	·6	·5	·3	...	...	...	—	—	—	—	—	2·1	27
24	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
25	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
26	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
28	—	—	—	—	—	...	...	·1	·3	·4	1·0	·5	...	—	—	—	—	—	2·3	30
29	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
30	—	—	—	—	—	...	...	·1	...	·7	·9	...	...	—	—	—	—	—	1·7	22
31	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...
Sum.	—	—	—	—	—	...	2·7	5·6	4·7	**6·8**	6·4	4·3	1·3	—	—	—	—	—	31·8	—
Mean.	—	—	—	—	—	...	0·09	0·18	0·15	**0·22**	0·21	0·14	0·04	—	—	—	—	—	1·03	14
Annual Total.	...	2·7	21·1	40·5	60·2	86·0	116·2	134·0	135·5	**144·4**	139·1	124·1	103·6	78·4	56·9	24·8	6·8	...	1274·3	—
Annual Mean.	...	0·01	0·06	0·11	0·16	0·24	0·32	0·36	0·37	**0·40**	0·38	0·34	0·28	0·21	0·16	0·07	0·02	...	3·49	29
Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

355. Cahirciveen (Valencia Observatory): H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	25	2·3	30	1·6	30	2·3	30	2·0	30	1·6	—	1·0	130	2·0	165	3·3	165	6·2	140	7·5	140	9·5	155	10·5
2	185	8·5	185	9·8	180	10·8	180	10·8	190	10·2	225	10·8	225	8·9	225	9·8	225	9·8	220	11·5	220	12·5	220	13·8
3	250	16·7	255	16·4	260	14·1	270	14·8	270	13·8	270	12·8	270	13·4	265	13·1	285	14·8	285	14·8	280	14·8	285	12·5
4	325	6·6	325	3·6	325	3·6	325	2·6	305	5·6	310	3·3	—	1·3	1	0·7	—	0·3	—	1·3	205	1·6	200	2·0
5	175	9·2	180	8·5	180	8·9	190	10·2	245	10·2	280	2·0	260	6·6	285	10·2	295	10·8	290	12·8	295	11·5	290	11·8
6	285	10·8	285	9·5	285	9·8	290	9·5	285	9·8	285	8·9	280	7·9	265	5·6	260	8·2	265	5·9	255	4·9	250	4·9
7	240	9·8	240	10·5	240	10·2	240	10·2	240	9·5	240	9·8	240	9·8	240	8·2	240	6·9	230	5·6	230	5·6	225	5·2
8	260	9·8	270	4·6	280	8·2	290	9·2	290	9·2	290	10·2	295	10·5	295	9·5	295	7·9	295	8·5	290	9·8	285	7·5
9	220	11·1	230	14·1	240	18·4	255	16·7	245	15·4	255	17·7	245	16·7	255	18·4	255	17·4	250	17·7	240	17·4	245	17·0
10	255	18·4	260	18·4	280	16·4	275	15·7	275	14·8	280	14·4	285	15·4	285	13·8	285	12·5	290	12·8	285	12·8	290	11·1
11	315	10·5	305	8·9	325	8·5	330	9·8	325	8·5	340	8·5	340	6·9	330	6·9	340	7·5	325	6·9	325	7·2	330	6·6
12	25	1·6	30	2·6	—	0·7	30	1·6	—	1·3	30	2·0	35	3·0	—	0·3	—	1·3	50	2·3	—	0·7	—	0·0
13	160	3·6	175	3·3	170	4·3	170	5·6	170	4·3	170	3·6	170	1·6	—	1·3	170	2·3	170	3·3	170	2·0	170	2·6
14	230	5·9	230	6·6	230	7·5	235	9·8	235	9·2	230	9·5	240	10·5	250	10·2	310	4·3	320	3·6	335	5·6	345	5·2
15	290	4·3	280	3·6	260	3·9	260	4·3	250	3·3	255	3·6	245	2·3	230	2·0	220	2·0	205	2·0	180	2·0	90	1·6
16	—	0·0	—	0·3	—	0·7	—	0·3	—	0·7	—	1·3	185	3·3	180	3·6	180	2·6	180	2·3	180	3·0	180	3·0
17	160	4·6	155	3·9	155	3·6	160	2·6	150	4·6	155	4·6	155	4·6	155	4·3	155	4·3	155	4·6	150	4·3	160	4·6
18	—	0·3	—	0·7	—	0·7	—	0·3	—	0·7	—	0·7	—	0·7	—	1·3	—	1·0	—	0·3	—	0·0	—	0·7
19	—	1·0	—	0·7	—	1·3	—	1·3	215	2·6	215	3·0	215	3·6	220	4·6	230	5·9	235	7·5	235	7·5	235	7·2
20	315	8·5	315	9·8	315	9·2	320	10·8	330	10·8	330	11·1	330	12·8	330	10·2	330	9·8	340	11·5	340	11·8	340	11·5
21	330	2·0	295	4·9	285	5·2	285	6·2	290	6·2	295	3·6	—	1·0	—	1·3	285	3·3	275	3·6	300	5·2	320	4·3
22	305	3·9	300	4·6	300	3·9	300	3·0	300	4·3	290	6·6	295	6·2	300	6·9	295	4·6	280	4·9	285	6·2	280	5·9
23	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3	—	1·0	—	0·7	—	1·0	—	0·7	150	4·9	170	4·9	175	3·0
24	240	4·3	245	5·9	245	7·5	260	3·6	255	4·3	255	3·9	255	4·6	255	3·3	255	4·6	250	3·9	250	5·9	250	6·6
25	240	2·3	225	2·6	220	2·3	220	2·3	215	2·6	205	3·3	200	3·3	195	3·6	195	3·9	190	3·9	190	3·9	190	4·6
26	200	2·3	200	2·0	200	2·0	—	1·3	200	3·0	210	3·3	230	2·6	230	2·6	230	2·3	235	1·6	235	1·6	225	2·6
27	220	3·9	225	5·6	230	5·6	235	3·9	235	3·6	235	5·2	240	6·6	240	5·9	245	5·9	245	6·9	245	6·6	245	6·2
28	—	0·3	—	0·3	—	1·3	—	0·7	—	1·0	—	0·3	220	3·3	190	3·0	195	2·0	240	2·3	—	1·3	240	6·9
29	225	4·9	225	4·3	225	4·9	230	5·6	230	4·6	225	3·6	225	4·6	225	4·9	235	6·6	235	7·2	235	11·5	235	11·5
30	240	8·5	240	9·2	240	8·5	240	9·5	240	8·5	240	5·6	230	3·3	225	3·3	225	4·6	225	5·6	230	4·9	220	7·2
31	220	3·0	200	3·6	200	3·6	185	4·9	175	5·6	175	5·9	180	5·9	180	6·2	185	6·9	185	7·9	180	7·5	190	8·5
Mean ...	—	5·8	—	5·8	—	6·1	—	6·1	—	6·1	—	5·8	—	5·9	—	5·8	—	5·8	—	6·3	—	6·6	—	6·7

356. Cahirciveen (Valencia Observatory) : H_a = 12 metres + 14 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	225	8·5	195	5·2	190	6·2	190	7·2	190	8·5	195	9·8	210	10·5	220	12·1	225	12·5	215	11·1	205	9·8	200	9·8
2	220	6·9	220	7·9	220	7·2	225	6·6	225	5·6	225	6·2	215	5·2	210	5·9	195	4·9	185	4·9	195	4·6	220	7·5
3	225	6·9	225	7·2	225	8·2	225	8·2	225	10·2	225	8·5	225	6·2	225	7·5	230	8·2	230	6·2	225	6·6	220	7·9
4	285	6·6	285	6·9	295	4·3	295	2·6	310	2·3	315	2·0	305	3·3	—	0·7	—	0·3	—	1·0	—	0·7	205	2·6
5	175	9·8	175	9·8	175	9·5	175	9·2	175	9·5	175	9·2	175	9·8	175	9·2	175	10·8	175	10·2	175	8·9	175	10·5
6	175	14·1	190	8·5	185	5·6	180	6·6	220	5·9	185	6·2	215	8·5	215	7·5	220	8·9	200	6·9	195	7·2	190	7·5
7	160	10·5	140	12·8	135	14·8	130	21·0	150	24·3	195	14·4	220	14·8	230	13·4	230	12·8	210	8·2	220	8·9	220	8·5
8	185	3·3	170	4·3	160	4·6	175	4·3	185	3·3	190	3·9	180	3·9	165	5·2	170	3·9	160	6·2	175	5·6	160	5·2
9	205	4·3	190	3·9	170	4·9	170	3·6	170	4·9	155	6·6	145	8·9	150	8·9	145	11·1	135	13·8	145	13·4	135	15·1
10	175	9·2	175	9·2	175	10·2	175	10·5	175	9·8	175	9·8	180	8·9	175	8·3	180	6·9	180	4·9	175	5·2	185	5·6
11	230	2·3	240	3·3	265	4·6	275	8·9	280	10·8	275	9·8	280	10·2	275	10·5	290	8·5	275	9·2	280	6·9	255	8·2
12	—	0·3	—	0·3	—	0·0	—	1·3	205	1·6	—	0·7	—	0·3	—	0·0	—	0·0	—	0·7	145	2·0	180	2·6
13	190	5·2	190	4·6	190	3·9	190	4·3	190	3·9	200	2·3	200	2·0	—	1·3	—	0·0	—	0·3	—	1·0	—	1·3
14	—	0·7	—	1·3	—	1·3	—	1·3	—	1·0	—	1·3	30	2·0	—	1·3	30	2·6	—	1·0	—	0·7	120	2·0
15	130	10·5	130	10·8	135	11·5	130	10·8	130	10·5	135	10·5	140	10·2	155	8·2	175	5·6	165	3·3	190	4·6	155	3·9
16	180	4·3	170	5·2	170	7·5	170	8·2	165	9·2	160	10·5	165	10·2	160	10·8	160	12·1	155	11·5	160	11·5	160	9·8
17	260	9·2	260	6·6	270	2·3	265	3·3	220	1·6	85	2·0	155	4·9	155	5·9	165	6·6	155	7·2	155	8·5	155	9·2
18	175	6·6	230	15·4	250	16·1	250	13·1	255	11·8	250	13·4	240	11·5	230	8·2	230	6·2	255	8·5	255	9·2	250	10·8
19	280	7·2	285	6·9	280	6·6	295	3·6	300	2·0	300	3·3	—	1·0	—	1·0	40	2·3	35	1·6	—	0·3	—	0·0
20	—	1·0	35	1·6	—	1·0	—	1·0	35	2·0	35	2·0	35	2·0	75	1·6	135	5·2	150	7·2	150	7·9	155	8·9
21	235	6·9	230	7·9	230	9·2	230	8·5	235	8·9	235	9·8	215	4·9	225	9·2	235	5·9	235	6·6	260	6·6	210	4·3
22	215	2·6	195	3·3	180	3·0	80	1·6	135	5·2	135	4·6	185	3·3	145	2·0	160	3·6	110	2·3	—	1·3	—	1·3
23	160	3·6	210	3·9	245	3·3	190	3·0	190	2·6	200	3·3	180	3·0	180	3·6	180	3·9	160	5·2	155	7·2	155	8·9
24	160	4·9	145	4·9	140	5·6	115	3·3	75	2·6	85	3·6	—	0·7	—	1·0	—	1·0	—	0·3	—	0·7	—	1·3
25	*205*	*6·4*	*235*	*5·6*	*245*	*6·8*	*240*	*6·5*	*235*	*5·3*	*230*	*6·1*	*230*	*7·6*	*225*	*7·8*	*230*	*9·6*	*230*	*6·1*	*220*	*6·5*	*215*	*7·0*
26	*155*	*8·4*	*160*	*8·7*	*170*	*10·6*	*185*	*11·8*	*185*	*13·4*	*180*	*13·5*	*175*	*13·5*	*175*	*9·6*	*210*	*11·0*	*225*	*11·9*	*225*	*11·0*	*225*	*8·3*
27	*270*	*17·9*	*275*	*18·0*	*280*	*17·2*	*280*	*16·4*	*280*	*15·0*	*280*	*15·0*	*280*	*15·0*	*280*	*15·5*	*285*	*14·8*	*285*	*14·5*	*285*	*14·1*	*285*	*14·2*
28	*260*	*9·6*	*255*	*7·2*	*240*	*5·7*	*210*	*3·7*	*200*	*2·7*	*200*	*3·5*	*210*	*1·9*	*125*	*2·2*	*45*	*2·9*	*35*	*2·1*	—	*1·5*	*290*	*4·3*
Mean ...	—	6·7	—	6·8	—	6·8	—	6·8	—	6·9	—	6·8	—	6·6	—	6·3	—	6·5	—	6·2	—	6·2	—	6·7
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

NOTE.—The values printed in italics are taken from the records of the Dines tube anemograph, the Robinson cup anemograph being out of action. The monthly means are computed from the hourly values as printed.

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

January, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
155	12·1	160	10·8	180	6·9	215	7·5	215	7·5	210	7·5	220	7·5	220	8·9	220	9·8	210	8·5	210	8·5	195	7·2	6·2	1
225	13·8	225	14·4	230	14·1	230	14·8	235	15·1	235	16·7	235	16·7	240	16·4	245	16·7	250	16·1	250	14·8	250	16·4	12·9	2
290	12·8	295	11·1	305	10·2	310	10·5	315	10·2	325	9·8	325	10·2	320	11·1	325	11·5	330	10·5	330	7·5	325	8·5	12·5	3
190	3·3	195	3·0	195	3·6	190	4·3	190	4·6	185	5·2	175	5·9	175	6·9	175	7·2	175	7·2	175	8·5	175	9·2	4·2	4
295	10·2	295	10·8	290	11·5	295	10·5	300	10·2	290	9·5	285	11·5	305	9·5	290	9·5	295	8·2	280	9·2	295	10·2	9·7	5
235	5·2	205	4·3	190	5·2	180	6·2	175	6·9	175	8·5	175	7·5	195	6·2	225	5·2	235	5·9	235	5·6	235	6·6	7·1	6
225	4·9	215	4·9	215	5·6	220	6·6	220	5·9	215	6·6	205	6·2	200	5·9	210	8·2	205	7·9	205	7·5	230	10·8	7·5	7
275	4·9	265	3·3	250	5·2	230	4·3	200	4·3	190	5·2	190	7·5	185	8·2	180	9·5	180	10·8	195	11·1	225	12·1	7·9	8
250	17·0	250	18·0	255	17·0	260	16·4	260	18·4	260	17·7	250	18·7	250	18·7	270	17·0	250	18·4	260	16·7	260	17·0	**16·9**	9
285	13·1	290	12·1	290	9·8	295	8·9	300	10·5	300	10·2	300	9·8	305	7·5	325	8·9	315	7·9	330	10·2	325	9·8	12·5	10
310	7·2	335	3·9	20	2·6	—	1·0	—	1·3	350	1·6	—	0·7	—	0·3	—	1·0	—	1·0	—	1·3	20	2·0	5·2	11
—	0·0	—	0·7	50	1·6	—	1·0	135	2·6	135	2·3	100	2·0	—	0·7	—	1·3	—	1·3	110	1·6	—	1·3	1·4	12
200	3·3	225	4·3	230	3·6	235	2·3	—	1·0	—	1·3	235	2·0	235	1·6	220	2·3	220	3·6	225	4·9	225	6·2	3·0	13
330	5·2	335	5·6	335	5·6	315	4·3	315	2·6	—	1·0	300	3·3	300	3·9	305	4·3	305	3·6	300	3·3	285	3·6	5·6	14
—	1·0	210	3·9	235	6·2	245	6·2	250	4·9	250	4·3	250	1·6	—	1·3	—	0·0	245	2·3	—	0·3	—	0·3	2·9	15
180	4·3	175	3·9	175	2·6	175	3·6	180	3·6	180	4·3	170	3·9	165	4·6	165	4·3	170	3·6	165	4·9	165	2·3	2·7	16
170	5·2	175	5·2	175	4·6	170	3·6	130	3·0	—	1·0	—	1·0	5	3·6	360	3·3	360	2·3	360	1·6	—	1·0	3·6	17
330	3·6	325	3·9	325	4·3	325	2·6	—	1·0	300	3·9	300	4·6	300	3·0	295	2·3	—	1·3	—	0·7	—	1·0	1·7	18
235	9·2	235	9·5	230	7·9	245	11·1	245	9·8	240	11·1	245	10·5	250	10·2	260	8·5	270	10·8	290	8·9	310	8·9	6·6	19
350	10·8	345	9·5	345	8·5	360	8·5	360	6·2	360	5·9	5	5·6	5	4·9	5	3·6	345	3·9	—	0·3	—	0·7	8·3	20
310	4·6	310	5·6	300	4·3	300	4·6	310	4·3	300	5·6	295	5·2	300	5·6	310	4·3	310	2·3	310	2·6	310	2·6	4·1	21
280	5·9	280	6·6	280	7·9	280	8·5	295	6·9	300	5·9	300	5·2	310	5·2	320	3·9	315	5·2	5	3·0	—	1·3	5·3	22
225	3·3	235	5·2	245	5·6	245	5·2	245	4·3	245	3·9	245	3·9	245	3·0	245	4·3	245	4·9	250	3·0	245	4·3	2·8	23
245	3·3	240	4·9	240	5·2	240	4·3	240	3·0	240	3·6	240	4·3	240	3·6	240	2·0	240	3·3	240	2·0	240	2·3	4·2	24
200	5·2	200	4·6	205	4·6	205	3·9	215	3·0	215	3·0	215	3·3	215	3·3	215	2·6	215	3·0	210	2·0	205	2·3	3·3	25
215	2·3	215	2·6	215	3·3	215	3·3	215	2·3	215	2·6	215	2·3	215	2·6	215	2·6	215	3·0	220	2·6	220	3·6	2·5	26
245	3·9	245	4·6	245	4·9	250	3·9	250	4·9	250	5·2	250	5·2	250	3·3	255	4·3	255	3·6	255	1·6	—	1·0	4·7	27
230	4·3	225	5·2	225	6·2	230	5·6	235	4·6	240	5·9	240	5·2	235	3·6	235	4·6	235	4·6	230	4·6	225	5·2	3·3	28
240	10·8	240	11·1	240	10·2	240	10·5	240	10·2	245	9·5	240	11·1	240	11·5	245	8·5	245	8·9	245	7·9	240	9·2	8·0	29
205	4·6	190	4·6	185	5·2	180	4·9	185	5·2	190	5·9	215	6·9	220	5·2	220	3·9	220	3·3	220	3·0	220	3·3	5·7	30
200	9·2	200	9·8	200	9·8	210	9·5	215	9·2	210	9·5	220	9·8	220	9·8	220	8·5	220	7·9	220	8·9	225	7·9	7·4	31
—	6·6	—	6·7	—	6·6	—	6·4	—	6·0	—	6·3	—	6·4	—	6·1	—	5·9	—	6·0	—	5·4	—	5·7	6·1	

February, 1923.

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
200	8·5	195	10·5	200	10·5	205	10·8	205	12·5	215	12·8	215	13·8	220	11·8	220	12·5	220	10·5	220	8·5	220	9·2	10·1	1
220	7·9	215	7·5	215	8·2	215	8·2	220	9·2	220	8·5	220	8·9	220	9·2	220	8·9	230	9·5	230	9·2	230	6·9	7·3	2
230	7·9	235	8·5	230	9·5	250	7·5	265	9·2	260	6·9	265	7·2	270	7·2	275	7·9	290	8·2	290	6·6	290	6·2	7·7	3
185	3·3	175	4·9	170	5·6	175	5·9	175	6·2	175	5·6	175	6·9	175	7·9	175	7·9	175	8·2	175	8·2	175	8·9	4·6	4
175	10·5	175	11·8	175	12·1	175	13·4	175	13·8	175	13·4	175	14·8	175	14·4	175	14·8	175	14·8	175	14·4	175	15·4	11·5	5
195	8·2	195	7·2	210	9·2	220	8·5	200	6·2	225	6·9	205	6·2	225	9·2	185	6·2	190	5·9	185	5·2	175	7·5	7·7	6
200	6·6	190	7·2	180	6·2	175	6·6	170	7·5	170	7·5	190	5·2	175	4·6	195	6·6	185	5·6	180	4·3	180	4·3	9·9	7
155	3·6	250	7·9	295	5·9	295	10·5	285	10·2	285	10·2	260	7·2	250	6·2	250	6·2	240	5·2	230	4·3	210	3·3	5·6	8
135	18·4	140	17·7	100	16·1	170	11·5	170	11·8	170	10·5	170	9·8	170	10·2	170	9·8	175	10·2	175	9·5	175	10·2	10·1	9
185	6·2	195	5·6	185	5·2	195	4·9	185	3·6	200	3·6	190	3·3	210	4·3	195	2·6	215	4·3	210	3·3	215	2·3	6·3	10
245	7·2	235	6·6	230	5·9	220	3·3	200	3·0	190	3·0	195	3·3	195	2·6	—	0·3	175	1·6	155	2·0	155	1·6	5·6	11
190	3·0	190	3·6	195	4·3	195	4·6	195	4·9	190	4·9	190	4·6	185	5·2	185	4·9	185	5·6	185	5·6	190	4·6	2·7	12
235	3·0	—	1·0	235	3·0	240	3·3	265	2·6	—	0·0	—	0·3	—	0·3	—	0·0	—	0·0	—	0·0	—	0·0	1·9	13
120	2·0	110	3·3	110	4·3	110	5·9	110	4·9	105	6·6	100	6·9	100	7·9	110	10·5	105	11·5	130	8·5	130	11·1	3·9	14
170	3·9	170	5·9	230	6·6	230	8·9	235	6·6	235	5·9	235	3·3	230	4·6	220	3·9	190	3·6	185	3·9	185	3·9	6·9	15
165	6·6	220	2·6	300	3·0	345	3·3	290	7·5	280	10·2	275	9·2	265	10·5	260	9·8	255	9·8	260	8·5	250	8·5	8·3	16
165	7·5	175	5·6	185	6·2	180	5·2	180	6·2	175	5·9	180	5·6	180	5·2	185	4·6	180	5·2	165	5·2	165	6·2	5·7	17
280	15·1	290	15·4	280	16·4	285	14·8	280	13·8	275	12·1	275	11·8	280	11·1	280	11·1	275	12·8	280	9·8	295	10·5	11·8	18
—	0·0	15	1·6	350	2·0	335	2·0	335	2·6	—	1·0	—	0·7	—	0·3	345	1·6	—	1·3	—	0·7	—	1·0	2·3	19
155	9·8	160	9·8	160	11·5	160	10·8	160	11·1	150	11·5	150	12·5	155	9·5	255	7·2	240	8·9	240	8·2	235	6·2	6·5	20
230	8·5	240	9·5	240	10·2	240	10·8	240	8·9	250	11·8	250	10·2	250	11·8	250	7·9	245	9·5	240	4·9	215	3·6	8·2	21
—	0·3	290	2·6	330	3·6	275	4·6	280	4·6	260	3·0	225	2·0	140	2·3	—	1·3	80	2·0	150	5·6	155	6·6	3·0	22
145	9·5	135	9·5	135	10·8	135	9·8	135	10·2	135	11·8	125	12·8	115	10·2	120	7·9	120	4·9	155	4·3	155	5·2	6·6	23
280	3·3	280	2·6	275	2·3	260	2·0	—	1·0	250	2·6	240	7·9	255	5·9	255	3·6	230	3·0	215	3·9	200	4·3	3·0	24
210	*6·0*	*185*	*5·2*	*165*	*5·7*	*165*	*7·5*	*180*	*6·3*	*190*	*6·0*	*175*	*6·0*	*145*	*7·1*	*130*	*7·7*	*110*	*9·5*	*100*	*10·2*	*125*	*9·7*	*6·9*	*25*
245	*7·6*	*245*	*8·4*	*255*	*17·2*	*260*	*22·1*	*260*	*23·5*	*260*	*23·3*	*265*	*23·3*	*270*	*20·3*	*275*	*18·4*	*275*	*18·8*	*275*	*18·2*	*275*	*18·0*	*14·4*	*26*
280	*13·2*	*280*	*13·6*	*280*	*13·3*	*285*	*13·3*	*285*	*12·6*	*285*	*12·3*	*285*	*12·2*	*285*	*10·8*	*285*	*10·2*	*280*	*10·0*	*275*	*9·6*	*265*	*10·0*	*13·9*	*27*
290	*7·3*	*290*	*9·5*	*285*	*9·3*	*285*	*9·9*	*280*	*10·2*	*280*	*10·0*	*275*	*10·0*	*280*	*9·7*	*285*	*10·7*	*270*	*10·1*	*265*	*10·8*	*275*	*11·3*	*6·9*	*28*
—	7·0	—	7·3	—	8·0	—	8·2	—	8·2	—	8·1	—	8·1	—	7·9	—	7·3	—	7·5	—	6·9	—	7·0	7·1	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

357. Cahirciveen (Valencia Observatory) : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	280	9·0	275	8·7	280	7·4	260	7·4	240	5·1	210	3·7	185	3·3	160	4·1	155	6·2	150	7·6	150	8·8	150	10·2
2	240	13·5	240	13·8	240	13·7	235	13·3	235	11·8	245	12·6	245	12·7	245	10·8	255	11·5	240	9·4	245	9·0	255	10·7
3	265	8·2	275	7·5	285	6·7	290	7·5	330	7·4	350	8·7	350	10·5	255	9·7	340	11·2	245	10·8	340	12·1	345	13·3
4	10	7·4	10	5·9	5	6·7	55	1·6	50	1·9	—	1·4	—	1·2	—	1·5	—	1·0	175	2·4	130	1·9	185	2·8
5	170	10·9	185	11·0	200	10·7	235	9·8	245	9·1	255	10·0	240	7·9	255	8·3	260	7·3	265	7·6	265	7·3	265	6·9
6	190	8·0	190	8·7	190	10·3	195	11·3	200	11·2	205	12·3	240	9·9	260	6·7	245	8·0	250	9·3	250	9·7	250	9·7
7	275	10·9	285	9·5	290	10·2	285	9·6	295	10·5	290	10·4	290	10·7	295	9·5	300	9·4	310	7·2	310	8·1	310	9·2
8	340	5·0	340	4·0	350	5·0	355	4·0	350	3·6	5	2·1	5	2·2	—	1·0	—	1·0	50	4·1	60	4·3	60	4·0
9	90	5·0	85	4·8	85	5·0	90	5·0	85	5·0	130	2·0	—	1·3	—	0·5	85	2·5	90	4·0	100	4·7	100	4·0
10	95	7·0	100	6·5	105	6·5	135	8·8	140	10·3	140	10·3	150	11·0	150	11·5	150	11·7	150	10·9	155	11·5	155	12·5
11	—	0·5	—	0·5	—	1·0	—	1·3	80	2·0	—	1·0	65	2·2	—	0·5	—	0·5	—	1·2	160	3·3	160	4·2
12	195	7·5	190	7·4	185	6·7	180	9·1	180	9·8	180	10·3	185	10·6	190	12·7	185	13·3	195	13·0	210	11·2	215	12·4
13	285	7·9	290	8·2	295	7·1	330	6·2	315	5·7	335	5·8	335	4·4	—	1·2	—	0·5	335	5·2	335	4·0	335	2·6
14	65	1·7	50	1·7	50	2·3	—	0·5	—	0·5	120	2·7	105	5·7	95	5·0	90	3·5	105	3·4	90	3·8	105	3·2
15	90	4·4	100	5·0	100	5·7	95	5·8	85	6·3	90	5·4	90	5·8	100	6·6	100	7·7	90	6·5	100	5·3	100	7·7
16	70	2·0	75	4·2	70	1·9	75	3·5	65	2·9	85	3·5	95	2·1	100	4·6	110	4·0	100	5·4	90	3·8	90	4·5
17	75	3·0	65	4·3	85	5·9	75	4·4	70	3·7	100	3·6	95	3·8	85	2·7	95	1·7	85	1·8	65	3·6	55	3·5
18	75	5·7	80	3·0	80	3·3	90	2·5	—	1·0	—	0·5	70	1·9	65	2·1	20	1·7	70	3·5	90	2·1	235	1·7
19	80	4·0	70	4·5	60	3·2	85	3·7	85	3·1	90	3·2	90	4·3	95	4·2	85	4·5	100	4·9	85	4·0	80	4·8
20	90	4·1	60	2·7	120	2·0	85	4·0	55	2·0	55	2·7	—	1·5	60	2·1	—	1·2	—	1·2	—	1·3	—	0·5
21	—	0·5	—	0·5	—	0·5	55	2·0	—	1·3	—	0·5	—	1·0	—	1·0	—	0·5	—	0·5	315	2·8	340	3·0
22	—	0·5	—	0·5	—	1·0	—	0·5	—	1·5	—	1·3	—	0·5	—	1·5	—	0·5	—	0·5	—	1·1	20	2·5
23	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	1·5	45	1·6	55	2·9	80	3·8	80	3·6	110	2·6
24	—	1·2	140	2·8	140	3·3	140	4·1	140	4·7	140	5·0	140	4·9	140	5·0	140	5·2	140	5·8	155	6·0	160	7·2
25	140	10·3	155	10·3	155	9·7	165	9·2	190	8·6	240	9·7	240	10·3	240	9·2	240	7·6	255	9·0	250	8·5	235	8·3
26	150	7·9	150	9·1	150	10·1	150	10·5	150	10·3	155	10·8	150	11·4	160	11·8	160	11·9	160	12·5	160	12·9	160	12·8
27	160	13·3	165	12·7	170	12·8	180	7·7	185	5·3	170	4·3	180	4·5	175	2·8	175	2·5	170	1·7	170	2·1	175	2·3
28	345	5·8	330	5·8	315	6·7	310	6·7	305	6·5	310	5·7	305	5·5	305	4·7	285	5·0	285	3·8	280	3·7	270	4·3
29	170	4·8	160	5·4	160	5·4	160	5·7	160	5·9	155	6·6	160	6·6	160	6·8	165	7·4	165	8·5	165	9·6	165	10·1
30	165	4·5	160	3·3	255	5·1	345	7·0	340	7·0	335	6·5	350	5·3	350	4·7	340	5·8	340	6·6	345	6·7	340	6·8
31	60	2·1	55	2·3	115	1·7	105	1·7	—	1·5	—	0·5	55	2·2	110	2·7	175	4·0	165	6·6	175	8·5	180	9·1
Mean ...	—	5·7	—	5·6	—	5·7	—	5·6	—	5·4	—	5·3	—	5·4	—	**5·1**	—	5·2	—	5·8	—	6·0	—	6·4

358. Cahirciveen (Valencia Observatory) : H_a = 12 metres + 14 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s
1	45	1·9	—	1·2	65	2·9	—	1·1	60	2·2	60	2·9	60	3·7	90	4·2	95	4·0	100	3·7	135	3·8	125	2·9
2	—	1·3	60	2·3	—	1·4	60	1·7	60	1·7	—	0·5	—	1·3	—	1·0	—	1·3	—	0·5	280	1·6	265	2·7
3	—	0·5	175	5·1	175	5·1	185	4·2	185	5·5	175	3·7	175	5·6	175	6·2	175	6·9	170	7·3	175	7·2	170	7·2
4	300	3·0	310	5·0	315	4·2	320	5·4	330	5·2	350	4·0	360	4·3	360	4·6	25	4·2	30	4·6	20	4·2	30	5·3
5	65	6·3	60	6·6	40	6·0	30	6·2	30	5·6	15	7·2	30	6·4	15	6·8	15	7·0	355	8·2	355	9·1	350	10·6
6	350	4·9	20	3·8	360	2·0	360	2·3	—	1·3	—	0·5	—	1·3	—	1·3	130	2·2	175	4·6	185	6·5	180	7·2
7	180	2·8	—	1·0	45	3·0	50	1·9	—	1·3	95	2·1	—	1·5	95	2·8	100	3·3	—	0·5	190	2·3	190	5·0
8	135	3·1	—	1·1	50	2·7	40	3·0	50	2·1	—	1·4	40	2·0	40	2·9	35	2·2	50	1·9	15	1·6	265	2·0
9	125	9·6	115	10·9	110	10·5	110	11·7	110	12·3	110	12·9	110	13·2	110	13·3	110	14·6	110	12·5	110	11·8	110	14·6
10	85	8·1	70	7·6	65	7·3	65	9·2	60	9·1	60	9·0	50	8·5	50	10·0	50	10·0	60	10·3	50	9·3	55	10·2
11	75	7·0	85	6·4	80	5·7	75	4·9	80	4·3	85	2·3	—	1·3	—	1·0	40	2·4	75	3·5	60	2·3	—	1·3
12	140	2·5	—	0·5	—	1·2	90	1·6	90	2·9	100	2·3	100	3·0	120	3·2	135	4·2	140	4·4	145	4·7	155	4·2
13	70	1·7	—	1·0	55	1·7	55	1·8	55	1·8	40	1·6	45	1·7	—	1·5	—	0·5	—	0·5	310	2·7	310	7·4
14	285	8·0	285	7·2	275	6·3	275	6·4	255	6·1	225	4·8	225	4·6	260	5·2	245	5·5	285	6·3	285	7·2	275	7·2
15	—	0·5	300	4·1	330	8·4	325	9·0	325	8·8	315	8·2	325	7·1	330	6·4	325	6·9	325	6·5	315	7·2	325	7·2
16	340	5·0	330	5·3	325	4·8	310	4·2	315	3·4	315	2·3	—	1·0	—	1·2	315	1·8	310	2·0	310	2·7	310	3·3
17	175	7·9	185	9·1	190	9·7	185	10·5	185	10·8	185	10·6	190	10·6	190	10·8	185	11·0	190	12·2	190	11·5	190	11·5
18	190	9·7	230	3·9	265	2·4	—	1·3	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	315	3·0
19	75	3·0	125	2·7	150	3·5	140	4·5	150	5·7	140	6·0	125	4·9	125	4·4	140	5·8	140	6·8	145	7·9	150	9·2
20	100	5·9	110	6·8	115	6·5	90	4·7	90	4·9	85	5·2	90	8·0	90	5·3	75	5·4	45	6·7	40	6·8	40	7·2
21	70	6·9	55	8·8	55	8·5	45	6·8	45	6·8	60	7·3	65	7·8	60	8·6	50	8·5	45	9·6	40	9·6	40	10·3
22	35	7·6	80	5·2	60	7·2	65	5·9	45	4·1	35	1·8	65	3·2	65	5·7	60	6·7	60	7·1	55	7·7	50	8·3
23	50	6·3	20	4·3	30	3·5	30	4·2	40	3·5	40	4·1	25	3·8	15	3·8	10	3·5	340	3·7	340	5·2	350	6·7
24	45	4·1	75	4·6	80	4·4	55	1·6	—	1·2	—	1·2	—	0·5	—	0·5	175	2·0	185	2·5	185	4·1	180	5·5
25	240	11·2	255	11·0	260	8·4	265	7·8	270	7·0	265	6·6	270	7·1	265	8·0	260	8·4	260	8·7	260	10·0	260	10·2
26	340	10·2	340	11·3	340	11·7	340	10·6	345	10·5	340	10·3	340	11·3	350	8·9	340	8·5	345	9·7	340	10·0	340	9·0
27	—	0·5	—	0·5	—	1·0	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	1·1	—	1·1	315	2·8	270	3·3
28	260	3·5	230	2·8	230	2·3	220	4·1	230	3·8	235	3·5	235	4·3	240	5·0	250	5·6	250	5·3	230	5·0	260	5·3
29	175	2·3	170	2·7	145	1·8	75	2·2	65	2·2	100	1·6	—	0·5	—	0·5	—	0·5	190	3·0	190	4·5	180	6·4
30	225	10·1	225	10·5	220	11·0	220	11·2	210	10·8	215	11·2	215	11·5	210	10·7	210	10·4	210	10·6	210	10·7	215	11·2
Mean ...	—	5·2	—	5·1	—	5·2	—	5·1	—	4·9	—	**4·5**	—	4·7	—	4·8	—	5·2	—	5·5	—	6·0	—	6·8
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

NOTE.—The values in the above tables are taken from the records of the Dines tube anemograph, the Robinson cup anemograph being out of action.

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

March, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
160	11·6	155	13·1	175	13·1	215	13·1	235	14·2	250	14·0	245	13·9	240	12·5	245	14·1	255	15·4	260	16·0	250	15·0	10·2	1
255	10·7	260	8·5	260	8·7	255	9·3	250	9·2	255	7·9	275	6·2	280	6·4	285	5·9	285	7·1	290	6·8	280	8·2	10·0	2
340	13·2	345	12·5	345	12·3	255	11·2	355	10·0	355	11·2	360	10·7	360	9·5	360	8·5	5	7·6	360	7·6	10	8·1	9·8	3
190	3·4	185	5·0	190	6·0	185	6·5	180	6·8	175	6·7	175	6·4	165	7·5	165	9·7	170	11·0	170	11·7	170	11·7	5·3	4
260	7·3	260	7·0	260	7·1	255	6·3	235	5·7	230	5·5	215	5·9	210	6·0	210	6·8	200	7·2	200	8·2	195	8·2	7·9	5
250	10·0	255	10·4	255	10·7	255	11·5	260	10·8	260	11·2	270	11·1	265	10·3	270	10·8	275	10·0	285	9·2	275	10·3	10·0	6
315	9·6	320	9·7	325	9·5	325	8·8	320	7·0	325	7·7	335	7·0	335	6·7	340	6·2	340	4·6	350	4·4	355	4·7	8·5	7
20	4·8	25	4·5	35	3·6	30	4·2	45	4·4	40	3·6	65	3·6	80	5·4	85	5·2	85	5·0	85	5·0	90	5·1	3·9	8
135	3·3	160	4·5	160	5·2	140	5·3	120	6·5	110	7·0	105	7·2	85	6·5	85	5·9	120	7·1	110	7·8	100	7·4	4·8	9
155	11·8	150	10·0	150	8·1	285	4·3	360	3·2	360	2·3	—	0·5	—	0·5	—	0·5	—	0·5	—	1·2	—	0·5	6·9	10
165	5·2	190	6·2	180	6·3	160	7·5	150	8·7	150	10·5	160	11·2	160	11·3	160	12·0	165	10·2	165	8·0	200	7·3	5·0	11
215	12·2	215	13·5	225	12·2	235	12·9	245	11·5	260	10·8	270	9·1	285	8·9	280	8·8	285	8·7	285	8·3	285	7·5	10·3	12
295	2·5	290	2·5	280	3·5	280	3·0	310	1·9	—	1·0	—	0·5	—	0·5	—	1·5	—	1·3	—	1·1	60	1·7	3·4	13
115	3·6	115	3·6	130	2·1	190	4·7	220	3·5	—	1·5	—	0·5	120	3·3	105	4·6	100	4·3	100	4·0	80	3·5	3·0	14
105	6·9	105	5·9	105	5·2	110	3·4	95	3·7	70	4·3	75	4·8	85	2·6	80	2·2	65	3·7	80	4·0	70	2·3	5·1	15
110	3·4	110	6·3	110	5·7	100	4·7	110	5·5	110	5·7	110	5·9	110	5·0	105	4·1	100	4·8	85	3·6	90	2·0	4·1	16
55	3·7	60	3·5	60	3·1	35	3·3	55	3·0	70	3·8	55	2·7	80	5·7	85	5·1	65	5·1	75	6·3	80	8·4	3·9	17
280	2·1	—	1·0	260	2·0	265	2·5	265	2·3	—	1·5	—	0·5	105	4·0	105	2·7	95	4·7	65	3·9	80	3·2	2·6	18
75	4·5	100	4·4	100	4·8	90	4·1	85	3·2	85	3·4	85	4·0	85	5·3	85	5·0	90	4·9	90	6·1	85	6·3	4·3	19
315	1·7	330	1·7	—	1·3	330	3·2	320	1·8	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	—	0·5	1·7	20
325	3·4	315	2·7	330	3·7	335	6·3	335	6·5	355	5·8	355	4·4	350	5·8	355	3·7	360	3·0	25	2·2	—	1·3	1·6	21
50	2·7	—	1·3	345	2·4	—	1·3	50	2·7	75	3·6	80	3·4	80	4·2	85	4·6	80	4·0	—	1·5	—	1·2	1·9	22
—	1·4	250	2·8	275	3·8	275	2·8	220	2·8	175	3·7	175	3·3	170	2·7	—	1·3	—	1·2	—	0·5	—	1·3	1·9	23
165	7·8	165	8·3	155	7·0	155	6·7	140	6·0	145	7·2	135	6·2	135	7·0	115	8·5	110	8·3	130	9·9	135	9·8	6·0	24
230	7·8	230	6·5	225	6·4	190	6·2	185	5·6	180	5·3	160	4·8	155	6·6	150	6·9	150	7·1	150	7·2	150	7·9	7·9	25
155	12·0	155	13·1	155	12·2	155	12·3	155	13·0	150	12·7	155	13·6	155	14·0	160	14·3	160	14·4	160	14·2	160	13·7	12·0	26
260	2·9	270	2·2	275	2·7	290	1·6	335	1·8	325	2·2	320	1·8	25	1·7	—	1·0	350	3·6	350	3·1	355	4·6	4·3	27
275	4·0	275	3·5	275	3·7	260	3·7	260	2·8	235	3·7	195	3·2	165	3·8	165	3·4	175	3·6	185	2·4	165	5·0	4·5	28
165	10·3	165	9·9	165	10·1	165	9·5	160	9·4	155	9·1	155	8·1	155	8·3	155	7·7	155	7·7	155	7·4	160	5·6	7·7	29
340	7·1	335	6·9	335	6·6	335	6·5	335	5·8	340	5·4	335	3·6	340	2·8	360	3·0	10	1·8	—	0·5	—	0·5	5·1	30
215	8·4	275	8·1	290	7·8	285	7·2	290	6·7	300	5·8	305	5·0	305	4·1	295	3·4	310	2·2	—	0·5	—	0·5	4·3	31
—	6·4	—	6·4	—	6·4	—	6·3	—	6·0	—	6·0	—	5·5	—	5·8	—	5·7	—	5·8	—	5·6	—	5·6	5·8	

April, 1923.

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
140	2·9	165	3·6	190	4·6	210	4·5	190	3·7	185	3·0	—	0·5	—	0·5	—	0·5	—	1·1	—	1·0	65	1·7	2·6	1
265	3·6	275	3·2	280	3·5	280	4·0	260	4·0	235	3·3	200	2·5	190	3·0	185	3·2	160	3·5	160	3·7	160	3·2	2·4	2
175	7·6	165	8·2	165	7·9	170	9·1	180	9·0	165	10·0	160	11·0	160	11·0	155	12·5	215	8·5	305	6·0	330	2·3	7·0	3
15	5·7	30	5·0	25	4·6	35	5·8	25	6·4	25	5·8	25	5·6	35	5·3	35	5·8	60	4·2	55	4·4	60	6·2	4·9	4
355	10·5	350	11·1	345	12·0	345	11·5	355	10·7	350	11·0	350	9·8	355	8·7	350	8·0	350	7·7	340	7·0	5	5·2	8·3	5
185	8·8	170	9·3	175	8·9	165	9·7	160	9·8	165	11·1	160	11·4	155	10·8	150	9·8	145	11·0	160	8·5	200	2·9	6·3	6
175	6·7	175	7·7	180	7·9	175	7·2	180	6·6	180	6·0	145	5·4	140	4·7	110	3·6	115	4·3	125	4·5	135	3·7	4·0	7
230	2·2	245	4·0	270	4·1	270	2·5	—	0·5	—	0·5	—	0·5	—	0·5	90	3·1	100	5·7	110	7·5	135	8·8	2·6	8
110	13·2	110	13·4	110	13·2	105	10·7	95	8·0	90	8·5	85	8·5	90	9·6	90	8·7	90	8·2	85	8·2	85	7·6	11·1	9
40	12·0	45	12·7	50	12·0	50	11·5	60	10·8	45	9·6	60	9·6	65	10·7	65	9·3	65	10·3	60	10·3	65	8·8	9·8	10
255	1·8	185	5·5	185	5·3	190	4·5	195	4·2	200	2·8	180	2·7	165	2·7	160	3·2	160	2·8	155	2·6	140	2·4	3·6	11
140	4·5	160	4·7	175	6·3	180	7·0	185	6·3	165	6·0	165	3·8	155	3·5	—	1·5	95	2·0	135	3·0	120	3·0	3·6	12
315	10·0	310	10·4	310	10·6	310	10·8	315	10·0	310	11·0	310	9·4	305	9·7	305	9·6	300	9·6	300	8·0	285	7·5	5·8	13
270	7·0	275	5·3	260	5·2	235	4·7	265	8·7	285	10·3	280	9·7	285	8·5	290	5·9	260	4·1	240	3·8	225	1·6	6·4	14
315	7·8	315	7·3	315	8·4	325	7·8	325	8·2	340	7·7	350	8·1	350	7·7	350	7·2	350	6·8	350	6·7	340	5·9	7·0	15
315	3·5	315	3·2	315	3·0	285	2·8	230	2·6	220	4·2	210	4·5	185	4·8	175	5·9	185	5·9	165	5·7	160	7·3	3·7	16
180	12·8	185	12·5	185	11·8	180	11·6	180	11·8	185	12·5	185	12·8	180	13·2	180	13·3	180	12·0	185	12·0	190	10·7	11·3	17
310	3·2	350	3·9	355	3·5	320	3·2	310	3·5	325	3·0	355	1·7	320	1·8	—	1·3	—	1·1	135	1·6	—	1·1	2·4	18
145	8·6	130	8·2	125	8·0	135	9·6	135	8·5	130	7·5	85	6·2	90	5·7	85	7·7	100	6·5	75	6·0	75	6·2	6·3	19
40	7·7	40	7·2	40	7·0	40	7·7	50	6·5	40	7·2	40	5·8	35	5·0	35	6·8	50	7·4	55	8·0	65	7·3	6·5	20
40	10·6	35	10·0	35	10·3	35	10·8	35	10·5	40	9·4	35	7·8	30	6·8	20	7·5	30	9·0	35	7·7	40	8·3	8·7	21
45	8·3	35	8·5	40	9·0	40	9·0	35	8·7	35	9·0	35	7·3	40	5·5	20	4·5	20	5·2	20	5·6	40	6·4	6·6	22
335	6·5	330	7·4	335	7·7	355	7·9	5	8·0	15	8·5	10	7·7	25	5·6	35	5·8	45	5·5	50	5·3	45	4·0	5·6	23
190	6·8	180	8·5	180	9·3	185	10·0	190	10·2	190	10·4	190	11·5	185	11·8	195	12·3	200	13·7	215	13·1	235	11·2	6·6	24
265	9·5	260	10·4	260	10·8	255	10·6	255	10·9	250	10·7	255	10·1	250	10·3	245	10·4	260	10·2	285	8·7	305	8·2	9·4	25
345	9·2	330	9·0	310	7·5	310	7·0	315	5·9	325	5·3	325	5·1	340	4·0	340	2·5	350	3·3	25	2·4	340	1·7	7·8	26
270	5·0	275	4·7	275	4·3	270	3·8	280	3·5	275	3·8	275	2·8	285	2·8	285	4·2	250	3·0	190	2·7	280	3·2	2·3	27
260	5·4	265	3·6	275	3·5	275	4·0	275	4·0	275	3·3	285	2·7	290	1·6	—	0·5	—	0·5	—	1·0	—	1·5	3·5	28
185	6·9	215	6·1	215	6·6	230	7·9	235	9·6	235	9·8	240	9·3	235	8·4	235	8·8	230	7·9	225	8·2	225	9·0	5·1	29
215	10·5	220	10·3	225	9·7	225	7·8	225	8·0	220	7·3	220	6·7	205	6·0	195	6·0	200	6·0	200	6·0	200	6·0	9·2	30
—	7·3	—	7·5	—	7·5	—	7·5	—	7·3	—	7·3	—	6·7	—	6·3	—	6·3	—	6·3	—	6·0	—	5·4	6·0	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in metres per second.

359. Cahirciveen (Valencia Observatory): H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	*200*	*6·1*	*195*	*5·5*	*190*	*5·5*	*190*	*5·8*	*190*	*5·9*	*195*	*6·2*	*195*	*5·7*	*200*	*5·3*	*210*	*5·9*	*210*	*6·5*	*210*	*6·5*	*210*	*6·7*
2	*55*	*1·6*	—	*0·5*	*65*	*1·8*	*40*	*2·0*	*60*	*2·4*	*60*	*3·0*	*85*	*3·3*	*85*	*2·7*	*60*	*1·9*	*65*	*5·1*	*65*	*4·2*	*85*	*2·7*
3	*125*	*4·1*	*145*	*3·6*	—	*1·1*	*205*	*1·6*	*175*	*2·0*	*185*	*3·0*	*190*	*2·1*	*210*	*1·7*	*210*	*2·2*	*225*	*2·5*	*230*	*2·5*	*230*	*3·7*
4	*205*	*4·0*	*205*	*4·2*	*200*	*4·3*	*195*	*4·7*	*185*	*4·3*	*195*	*4·3*	*195*	*4·7*	*210*	*5·4*	*210*	*6·1*	*215*	*7·2*	*220*	*7·7*	*225*	*8·3*
5	*205*	*5·9*	*205*	*5·3*	*205*	*5·2*	*220*	*5·2*	*215*	*4·7*	*190*	*4·2*	*175*	*4·0*	*190*	*4·5*	*215*	*5·5*	*215*	*5·1*	*215*	*5·5*	*215*	*5·2*
6	—	*1·0*	—	*0·5*	—	*0·5*	—	*0·5*	—	*1·2*	—	*0·5*	—	*0·5*	*330*	*2·5*	*335*	*4·4*	*335*	*5·9*	*335*	*6·2*	*340*	*6·3*
7	*60*	*2·2*	*60*	*2·0*	*55*	*2·5*	*55*	*2·5*	*55*	*2·5*	*50*	*2·5*	*40*	*2·0*	*30*	*3·5*	*30*	*4·2*	*355*	*3·7*	*340*	*4·2*	*345*	*4·6*
8	—	*0·5*	—	*0·5*	—	*1·2*	*330*	*1·7*	—	*1·0*	*330*	*2·7*	*355*	*2·3*	*335*	*3·3*	*15*	*4·5*	*355*	*4·7*	*345*	*5·7*	*335*	*6·6*
9	*290*	*5·6*	*305*	*7·0*	*320*	*6·3*	*330*	*6·4*	*330*	*7·0*	*325*	*7·5*	*325*	*7·6*	*325*	*7·7*	*325*	*8·7*	*340*	*8·7*	*320*	*9·3*	*320*	*9·5*
10	*5*	*7·6*	*5*	*7·1*	*360*	*5·2*	*340*	*6·3*	*320*	*5·0*	*340*	*6·8*	*335*	*6·8*	*345*	*5·8*	*315*	*6·7*	*295*	*5·9*	*290*	*7·2*	*290*	*7·9*
11	*335*	*8·5*	*335*	*9·3*	*340*	*7·8*	*345*	*9·3*	*350*	*9·3*	*345*	*9·5*	*340*	*9·7*	*350*	*9·5*	*340*	*9·7*	*330*	*10·3*	*335*	*10·1*	*335*	*10·5*
12	*360*	*8·0*	*10*	*6·2*	*5*	*6·5*	*5*	*6·8*	*355*	*6·6*	*355*	*6·0*	*345*	*6·3*	*325*	*6·0*	*360*	*5·0*	*320*	*5·3*	*290*	*4·7*	*270*	*7·3*
13	10	3·3	10	2·6	10	2·3	—	1·3	300	3·0	290	6·9	300	4·3	300	6·6	315	6·6	300	5·9	305	5·9	335	7·2
14	325	5·9	280	6·2	305	5·9	290	7·5	270	8·9	255	8·5	250	11·1	250	10·2	255	9·5	260	11·8	250	12·5	255	12·1
15	295	6·9	300	7·9	290	6·6	290	7·5	295	6·9	310	6·6	310	6·6	305	6·9	315	6·9	320	7·5	320	7·2	330	7·2
16	305	8·2	300	8·5	305	9·8	325	10·2	325	9·8	330	9·8	320	9·9	335	10·2	340	10·2	335	10·2	330	9·2	335	8·9
17	305	4·3	305	4·9	330	8·2	355	6·9	355	5·6	355	6·2	355	5·9	355	6·2	345	5·9	340	4·9	320	4·6	300	4·9
18	300	6·2	320	4·3	305	4·6	295	3·9	310	3·6	315	4·9	315	5·9	315	6·2	330	6·2	330	7·5	330	6·6	330	7·2
19	315	4·6	315	5·2	315	5·2	300	5·6	295	5·6	285	5·6	285	8·2	290	6·6	285	7·2	285	6·6	275	7·2	270	8·5
20	230	7·2	230	6·9	230	6·2	230	6·9	230	6·9	240	8·5	255	5·9	265	5·6	290	5·9	285	4·6	285	5·6	285	5·2
21	325	3·9	325	3·6	310	4·3	305	4·3	305	4·9	300	3·9	290	3·3	290	5·2	290	5·6	275	5·6	275	5·6	270	6·6
22	275	4·3	275	4·6	270	6·2	260	5·6	260	6·2	250	5·6	250	3·9	250	6·6	245	8·2	240	10·2	245	8·9	240	8·9
23	300	4·9	315	7·2	340	9·2	350	7·5	15	7·5	20	7·9	20	8·9	20	10·5	25	10·5	25	7·9	30	8·5	25	7·5
24	35	3·6	35	3·3	35	2·0	—	0·7	—	1·3	—	0·3	—	,0·0	—	0·7	350	3·6	320	4·6	300	3·9	295	4·9
25	305	9·8	325	9·2	325	8·5	335	9·5	335	8·9	335	10·5	335	10·8	340	11·5	350	10·8	345	10·8	345	11·5	335	11·1
26	360	10·8	355	9·8	360	8·9	5	7·9	5	8·5	5	7·5	355	7·2	360	9·2	360	9·2	360	8·2	360	10·5	5	9·5
27	30	5·6	30	5·2	30	4·3	25	3·9	15	4·9	10	5·9	10	6·2	10	6·6	15	6·6	5	7·2	15	6·2	20	6·2
28	355	2·0	10	4·3	45	4·3	30	4·9	45	2·6	—	1·0	30	2·3	20	6·2	15	4·6	25	3·9	10	4·9	10	5·2
29	60	4·9	65	4·3	65	2·0	—	0·7	—	0·7	—	0·7	—	1·3	30	5·6	35	7·5	35	6·2	30	5·9	20	6·6
30	30	6·2	40	6·2	50	5·9	45	4·9	45	4·9	45	3·9	55	5·9	50	5·6	45	7·5	50	6·2	50	6·9	40	6·6
31	75	6·6	75	6·6	75	6·2	75	6·9	80	5·9	90	4·3	90	3·9	85	4·9	85	4·9	60	5·9	60	7·2	60	7·2
Mean ...	—	5·3	—	5·2	—	5·1	—	5·1	—	5·1	—	5·3	—	5·4	—	6·1	—	6·5	—	6·7	—	6·9	—	7·1

NOTE.—The values printed in italics are taken from the records of the Dines tube anemograph, the Robinson cup anemograph being out of action. The monthly means are computed from the hourly values as printed.

360. Cahirciveen (Valencia Observatory): H_a = 12 metres + 14 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	50	5·2	70	4·3	75	4·3	80	5·9	80	6·2	80	3·3	75	4·9	55	6·2	55	6·6	55	7·5	55	7·2	55	8·2
2	—	0·7	—	1·0	—	0·7	—	1·0	—	1·0	55	1·6	—	0·7	—	0·7	—	1·3	265	2·0	290	2·3	340	3·6
3	—	1·0	—	1·0	—	1·3	—	1·3	—	0·3	—	0·3	320	4·9	345	4·6	320	2·6	330	3·3	350	7·2	350	9·2
4	360	7·2	355	8·5	350	8·9	345	9·5	345	10·2	5	6·9	20	7·2	25	6·6	20	9·5	20	7·9	20	7·2	10	7·2
5	5	5·6	350	5·6	355	5·6	355	5·6	350	6·9	350	7·5	350	7·2	350	7·2	350	6·6	350	6·9	350	7·9	350	7·5
6	340	5·2	340	5·2	330	6·2	330	3·6	330	3·3	330	3·0	330	2·6	330	2·3	330	3·3	320	4·3	300	5·2	295	4·9
7	185	2·0	—	1·0	—	1·0	165	1·6	170	2·3	165	2·6	180	3·0	205	3·3	190	4·9	185	4·9	185	5·9	190	5·6
8	175	8·5	175	9·5	175	10·2	175	9·8	175	10·2	175	9·8	180	9·5	180	10·2	190	9·2	195	6·6	215	6·6	225	7·2
9	220	10·2	215	9·5	220	9·8	220	9·8	210	9·2	195	6·6	195	7·2	190	6·9	190	6·9	190	6·2	185	7·2	185	7·2
10	225	9·8	225	9·2	225	9·6	225	8·5	225	9·2	230	9·2	230	10·8	235	12·1	240	11·5	240	11·1	240	11·1	240	10·5
11	280	8·2	280	7·5	280	7·2	285	8·2	295	6·6	295	6·2	315	6·2	325	5·9	315	7·9	310	7·2	310	7·5	310	7·5
12	300	3·3	295	3·3	290	3·9	290	3·6	280	4·3	260	3·3	260	4·6	250	3·6	245	6·6	245	5·2	240	6·2	240	7·9
13	255	4·6	270	5·2	275	6·6	275	7·9	275	8·5	275	8·5	280	9·8	285	8·9	300	7·9	310	8·2	320	7·9	315	8·5
14	335	4·6	335	6·2	335	5·6	335	3·9	335	4·6	335	3·9	335	4·9	335	4·3	335	4·6	335	5·9	330	5·2	325	4·9
15	265	2·0	270	3·0	270	2·6	270	1·6	270	3·6	270	4·9	265	5·2	265	5·9	265	7·9	280	9·8	285	12·1	295	8·9
16	345	7·2	345	7·5	350	6·6	360	5·6	360	5·2	350	5·6	345	4·3	345	4·6	345	5·9	350	6·2	340	7·5	335	8·5
17	355	3·9	355	4·6	350	3·9	340	4·6	360	3·6	360	4·3	350	4·6	345	4·3	345	3·3	340	3·9	335	2·6	320	3·3
18	275	3·6	275	3·9	275	4·3	285	4·3	295	5·2	305	4·9	310	5·2	310	5·6	310	4·9	310	4·9	310	3·9	310	3·3
19	350	7·5	360	5·6	355	5·2	355	5·2	360	3·9	360	5·2	360	3·6	360	3·9	355	5·9	345	6·2	330	7·5	330	7·9
20	360	5·9	355	6·2	5	5·6	5	5·2	5	5·6	5	6·6	10	4·6	10	4·6	360	4·9	335	6·6	330	7·2	325	8·2
21	300	2·0	—	0·3	—	0·3	300	2·0	300	2·6	285	2·0	285	1·6	280	2·3	280	1·6	300	3·0	300	1·6	300	3·9
22	—	1·3	—	1·3	10	2·0	360	3·3	355	2·3	325	4·3	320	5·6	320	4·9	320	3·0	310	3·6	275	5·9	280	4·9
23	—	1·0	315	3·3	310	4·6	295	3·6	295	3·3	295	3·6	295	3·6	295	3·0	295	2·6	300	3·3	300	2·6	300	3·3
24	—	1·0	—	1·0	320	1·6	—	1·3	320	2·3	320	1·6	320	1·6	—	1·3	320	3·0	315	3·3	315	4·3	315	5·6
25	335	3·3	335	2·6	335	3·3	335	2·6	335	3·0	335	4·3	335	2·6	335	2·6	335	3·9	335	4·3	335	5·2	335	6·6
26	335	5·6	335	5·6	335	4·6	335	4·3	335	5·9	335	7·9	335	7·5	335	7·9	335	7·9	335	7·5	340	7·9	345	7·2
27	360	2·3	—	1·3	360	2·0	360	2·0	—	1·0	360	2·0	355	3·0	350	4·6	345	4·6	340	4·6	330	5·6	330	7·9
28	50	3·0	50	2·6	—	1·3	—	0·3	—	0·7	—	0·7	—	0·3	—	1·3	70	1·6	—	1·3	65	2·0	5	3·3
29	—	1·3	—	0·3	—	0·7	—	0·3	—	0·3	—	0·0	5	2·0	315	3·6	320	3·6	320	3·9	320	5·2	320	5·6
30	—	0·0	5	1·6	5	3·0	355	2·3	—	1·3	—	0·7	—	0·3	—	1·3	—	1·3	285	3·9	280	3·9	280	3·6
Mean ...	—	4·2	—	4·3	—	4·4	—	4·3	—	4·4	—	4·4	—	4·6	—	4·8	—	5·0	—	5·5	—	6·0	—	6·4

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h*a* (height of anemograph above ground) = 12 metres + 14 metres. **May, 1923.**

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
225	*7·0*	*225*	*6·4*	*225*	*5·3*	*230*	*4·2*	*225*	*4·1*	*200*	*3·2*	*165*	*3·7*	—	*1·5*	—	*0·5*	—	*0·5*	—	*0·5*	—	*1·1*	*4·7*	1
65	*2·8*	*70*	*3·7*	*85*	*4·3*	*60*	*5·0*	*75*	*4·2*	*105*	*4·1*	*90*	*4·0*	*90*	*4·2*	*95*	*3·6*	*100*	*1·9*	—	*1·5*	*125*	*4·3*	*3·1*	2
225	*4·3*	*230*	*4·3*	*225*	*4·0*	*225*	*3·8*	*230*	*3·4*	*215*	*3·1*	*225*	*3·3*	*235*	*3·3*	*235*	*3·7*	*225*	*2·8*	*210*	*2·5*	*200*	*3·2*	*3·0*	3
215	*8·7*	*210*	*8·2*	*210*	*8·0*	*205*	*7·2*	*205*	*6·8*	*205*	*6·0*	*200*	*5·7*	*210*	*5·8*	*200*	*5·3*	*200*	*5·5*	*205*	*6·0*	*210*	*6·0*	*6·0*	4
230	*5·5*	*235*	*5·7*	*235*	*5·3*	*230*	*5·4*	*235*	*4·9*	*235*	*4·4*	*220*	*4·2*	*230*	*2·8*	*225*	*2·7*	*225*	*2·3*	*240*	*2·3*	—	*0·5*	*4·5*	5
350	*5·5*	*340*	*5·8*	*345*	*6·7*	*340*	*6·3*	*350*	*6·3*	*355*	*6·8*	*355*	*5·8*	*10*	*4·5*	*10*	*5·7*	*15*	*5·1*	*40*	*2·8*	*60*	*2·5*	*3·9*	6
325	*6·0*	*330*	*6·4*	*330*	*6·6*	*325*	*6·6*	*325*	*6·2*	*320*	*5·4*	*330*	*4·2*	*335*	*3·0*	—	*1·4*	—	*0·5*	—	*0·5*	—	*0·5*	*3·5*	7
340	*7·0*	*335*	*6·8*	*335*	*7·1*	*335*	*7·3*	*340*	*7·2*	*340*	*7·3*	*345*	*6·6*	*345*	*5·2*	*350*	*2·3*	—	*1·4*	*295*	*4·7*	*300*	*4·9*	*4·2*	8
325	*10·5*	*335*	*10·9*	*340*	*11·0*	*355*	*12·3*	*355*	*12·0*	*355*	*11·9*	*355*	*11·7*	*5*	*10·8*	*10*	*9·7*	*5*	*8·5*	*360*	*8·5*	*360*	*7·9*	*4·8*	9
290	*8·4*	*275*	*9·3*	*275*	*9·5*	*270*	*10·7*	*265*	*11·2*	*270*	*10·0*	*285*	*10·7*	*285*	*10·9*	*280*	*10·9*	*280*	*11·5*	*325*	*8·3*	*320*	*7·2*	*8·2*	10
335	*9·6*	*340*	*10·0*	*340*	*10·9*	*340*	*11·8*	*340*	*11·7*	*345*	*11·7*	*350*	*10·4*	*350*	*11·0*	*350*	*9·4*	*360*	*8·9*	*360*	*7·7*	*360*	*7·5*	*9·7*	11
280	*7·1*	*295*	*6·1*	*285*	*5·5*	*265*	*5·5*	*290*	*5·4*	*285*	*4·0*	*265*	*4·7*	*310*	*4·7*	*325*	*5·4*	*350*	*4·6*	*5*	*3·5*	*10*	*2·8*	*5·7*	12
320	8·2	320	8·9	310	10·5	330	10·2	330	11·5	340	8·2	340	8·5	350	9·5	345	9·5	330	7·5	325	6·6	345	6·9	6·7	13
250	13·1	250	13·8	245	13·4	255	12·5	270	9·8	290	6·6	300	5·9	295	5·6	305	5·2	305	4·9	295	6·6	290	7·9	9·0	14
340	7·9	335	8·9	330	10·2	335	9·5	340	8·2	345	11·5	345	10·2	350	9·8	350	9·8	340	9·2	345	7·9	330	7·9	8·2	15
330	8·2	310	7·2	305	7·5	310	5·9	310	5·6	315	6·2	325	6·2	325	6·9	335	4·6	330	4·9	325	6·2	320	4·3	7·9	16
290	3·9	280	3·9	280	3·9	275	4·6	265	4·9	265	5·2	260	4·6	280	5·6	290	5·2	295	4·6	295	5·6	295	5·6	5·3	17
325	5·2	315	6·6	310	6·2	315	6·6	325	6·2	320	5·9	315	6·6	315	4·9	310	5·9	305	3·9	315	4·3	315	4·3	5·6	18
270	7·5	270	7·9	265	7·5	260	7·5	260	7·5	260	7·2	260	7·2	260	8·9	260	7·9	245	6·2	240	5·6	230	6·6	6·8	19
295	6·2	310	4·6	305	5·2	300	5·6	300	5·2	305	4·6	310	4·9	310	5·6	310	3·9	310	4·3	315	4·6	325	3·3	5·6	20
265	5·9	260	6·6	250	7·9	245	4·9	240	6·6	245	9·5	260	7·9	280	7·5	285	8·5	285	6·6	280	4·9	275	5·2	5·7	21
235	8·5	235	8·9	240	8·2	240	8·2	240	6·9	240	5·6	245	6·2	305	4·6	305	3·0	295	4·3	295	2·6	300	4·9	6·3	22
5	8·2	5	8·5	5	8·9	30	8·2	30	7·5	15	7·5	20	7·2	10	6·9	10	5·9	20	5·9	30	3·9	35	4·6	7·6	23
280	5·2	280	5·6	275	5·6	280	7·2	275	7·5	270	7·2	270	8·2	270	7·9	270	8·2	280	7·9	280	10·8	285	10·8	4·9	24
335	12·8	335	12·8	335	13·4	335	13·8	340	13·4	335	14·1	340	13·4	350	10·5	345	10·2	350	11·5	355	9·5	5	10·5	11·2	25
5	11·8	355	10·8	360	10·5	5	9·2	10	10·8	15	8·9	15	7·5	15	4·9	5	4·6	20	4·6	25	5·2	25	4·9	8·5	26
5	6·9	360	6·6	10	6·6	15	6·6	360	6·9	350	6·2	360	3·0	355	4·3	355	2·3	—	1·0	—	1·0	—	0·7	5·1	27
10	6·9	10	6·9	25	5·9	15	6·9	10	10·2	360	9·5	5	7·9	20	6·9	40	3·9	50	2·0	—	1·3	55	3·0	4·8	28
5	8·2	360	7·5	350	7·9	345	8·9	345	8·9	360	10·5	5	9·2	15	8·5	25	7·2	25	5·2	45	8·2	40	7·2	5·9	29
40	7·5	50	7·2	50	6·2	50	5·2	50	5·2	50	5·6	55	4·9	60	5·2	60	4·3	60	2·6	60	2·6	60	5·6	5·6	30
55	6·6	45	6·9	30	7·9	15	7·9	5	8·5	10	9·8	10	7·2	15	5·9	30	4·3	40	3·6	45	3·9	45	5·9	6·2	31
—	7·5	—	7·5	—	**7·7**	—	7·6	—	7·6	—	7·5	—	**6·8**	—	6·4	—	5·7	—	5·0	—	**4·8**	—	5·1	6·1	

NOTE.—The values printed in italics are taken from the records of the Dines tube anemograph, the Robinson cup anemograph being out of action. The monthly means are computed from the hourly values as printed.

June, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
45	7·2	45	6·6	45	5·2	50	4·9	50	4·3	50	4·6	55	4·3	60	2·6	80	2·3	90	3·6	90	3·3	90	1·6	4·9	1
295	3·6	295	2·6	300	2·0	300	5·2	310	6·6	325	7·2	345	4·3	350	3·6	—	1·3	—	1·0	—	0·7	—	1·0	2·3	2
340	8·5	330	9·2	340	10·2	345	9·2	345	8·9	345	8·2	350	7·9	10	4·3	5	5·2	360	7·9	360	7·5	360	6·6	5·3	3
5	5·9	10	6·2	20	5·9	10	8·5	15	8·5	15	9·2	15	6·9	15	6·9	10	3·0	10	4·3	10	2·3	10	4·3	7·1	4
350	7·5	350	8·2	350	7·9	350	7·2	340	8·5	340	8·5	340	6·2	340	6·2	340	6·2	340	5·9	340	5·2	340	4·6	6·8	5
295	4·9	280	4·6	275	5·2	275	5·6	270	4·6	270	4·3	270	**3·3**	270	3·3	230	2·0	235	2·3	—	1·0	—	1·3	3·9	6
185	5·6	180	7·2	175	7·2	175	7·2	185	6·6	180	7·2	180	7·5	180	8·2	180	7·2	175	8·5	175	9·2	175	9·8	5·2	7
225	7·2	225	8·5	225	7·2	225	7·2	220	6·9	200	5·2	200	5·2	195	5·2	195	5·6	190	6·2	185	5·9	190	7·5	7·8	8
185	8·2	185	8·2	190	9·2	185	8·9	185	10·5	185	9·5	195	9·5	220	9·8	220	8·9	220	8·5	220	8·9	220	10·5	8·7	9
240	11·5	240	11·5	250	9·8	245	10·2	250	9·2	260	8·2	260	7·5	260	7·9	265	7·5	270	7·5	280	7·9	280	8·2	**9·6**	10
310	8·2	310	7·5	305	7·2	310	6·6	310	6·9	315	5·2	315	4·6	315	4·6	315	3·0	315	3·9	300	3·6	300	4·3	6·4	11
245	9·2	245	9·5	250	8·2	250	7·9	250	5·9	250	4·3	245	4·9	250	4·9	250	4·6	250	4·3	250	4·3	250	3·9	5·3	12
325	6·9	320	7·2	320	6·6	330	7·2	335	7·5	335	8·2	335	7·5	335	7·9	335	5·6	335	3·9	335	3·9	335	4·9	7·1	13
305	4·9	300	4·9	310	3·9	300	3·3	280	4·3	280	3·0	—	1·3	280	1·6	—	1·3	—	1·3	265	1·6	265	2·0	3·9	14
310	7·2	310	6·2	315	6·2	315	7·5	315	8·9	315	7·5	320	8·9	340	7·5	340	7·9	340	6·6	335	6·9	345	7·9	6·4	15
325	8·2	330	8·5	330	7·9	330	7·5	330	7·9	330	7·2	335	6·9	350	6·9	345	6·6	345	5·2	345	6·2	355	5·6	6·7	16
285	4·3	275	4·6	275	3·3	275	3·0	275	3·3	275	1·6	—	0·7	275	3·3	275	3·3	275	3·3	275	2·3	275	2·3	3·5	17
305	3·9	305	3·9	310	3·6	290	4·3	280	3·9	280	3·6	280	2·3	280	3·3	300	3·6	320	6·9	330	6·9	330	7·9	4·4	18
330	8·9	325	8·2	320	6·9	320	7·2	325	8·2	335	9·8	340	9·8	340	8·2	340	6·2	340	6·6	360	5·9	360	5·6	6·7	19
330	7·5	330	8·5	325	6·9	325	8·2	325	6·9	320	4·6	305	4·6	300	3·6	300	2·0	—	0·7	—	1·0	—	1·3	5·4	20
300	3·9	305	3·3	310	4·6	310	5·2	310	5·9	310	5·2	325	5·2	330	3·9	330	2·6	—	1·3	330	3·3	330	3·0	2·9	21
295	4·9	305	5·6	305	4·9	305	4·6	305	4·6	305	3·6	305	3·0	310	3·6	315	3·0	315	1·6	—	0·7	—	0·3	3·5	22
300	4·3	315	3·6	320	3·9	320	5·2	320	5·2	320	3·6	320	2·6	320	2·3	320	2·0	320	2·0	—	1·0	—	1·0	3·1	23
315	5·2	320	5·6	330	5·9	335	6·2	335	4·3	335	4·9	335	3·9	335	3·9	335	3·3	335	3·3	335	3·3	335	3·3	3·3	24
335	7·5	335	6·9	335	6·2	335	7·2	335	6·9	335	6·9	335	5·2	335	5·6	335	5·2	335	4·9	335	4·6	335	4·9	4·8	25
345	8·2	340	7·9	340	7·5	340	5·9	350	6·9	340	7·9	340	7·9	340	4·3	350	3·9	350	3·3	355	3·3	360	4·3	6·3	26
330	6·2	335	5·9	335	6·6	330	7·5	335	7·9	335	6·2	335	5·6	335	4·6	335	4·9	335	4·6	340	3·9	40	2·3	4·5	27
360	3·0	360	2·6	320	3·3	315	3·3	315	3·3	315	3·6	315	3·3	315	2·0	—	1·0	—	0·0	—	0·0	—	0·7	1·9	28
320	3·6	320	3·9	320	2·6	310	2·6	280	3·0	285	3·9	320	5·2	325	4·6	325	3·9	325	3·9	340	3·0	5	2·3	2·9	29
280	3·9	280	3·9	285	3·9	305	5·2	320	4·9	330	5·2	330	5·6	330	4·3	330	3·0	330	2·6	330	2·6	340	2·6	2·9	30
—	6·3	—	6·4	—	6·0	—	6·3	—	**6·4**	—	5·9	—	5·4	—	5·0	—	4·2	—	4·2	—	**4·0**	—	4·2	5·1	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

361. Cahirciveen (Valencia Observatory) : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·3	—	1·0	—	1·3	—	0·7	—	0·0	—	0·0	—	0·0	—	0·3	—	0·7	—	1·0	—	0·3	—	1·3
2	195	2·0	200	3·3	205	3·0	210	3·9	210	3·3	210	3·3	210	3·6	205	3·3	200	4·3	195	4·3	200	4·9	200	4·9
3	210	6·2	220	7·2	220	7·5	220	7·5	225	6·6	225	5·6	225	3·3	230	4·3	245	4·3	270	3·0	270	2·3	270	3·6
4	190	2·6	190	1·6	190	1·6	190	1·6	190	2·0	190	2·0	190	2·6	—	1·3	190	1·6	190	1·6	190	2·0	190	2·3
5	—	0·0	—	0·3	—	0·0	—	0·3	—	1·3	240	1·6	—	0·7	185	3·6	165	5·9	175	5·2	175	6·6	160	6·2
6	125	2·3	110	3·0	110	3·0	—	1·0	110	2·3	—	1·0	—	0·7	—	1·0	—	1·3	230	2·6	290	2·3	285	3·0
7	180	3·9	150	3·6	135	2·6	150	4·3	135	3·6	140	6·2	150	4·6	155	5·2	165	4·6	175	4·9	175	5·6	175	5·9
8	195	3·3	190	3·3	185	4·6	180	3·9	180	4·3	165	4·9	160	5·2	155	6·6	150	8·5	145	8·2	160	8·5	155	8·9
9	175	5·6	175	5·6	170	6·2	175	6·6	175	6·6	175	6·9	175	6·2	170	6·2	165	6·9	175	7·2	170	5·6	175	6·6
10	150	4·3	145	4·9	145	4·3	125	3·3	110	4·6	115	4·3	110	4·6	125	4·6	140	3·9	150	3·6	165	3·9	170	4·3
11	—	0·7	—	1·0	—	1·3	—	1·0	360	1·6	—	1·0	—	0·3	—	0·7	320	1·6	300	3·0	285	3·3	280	4·6
12	15	2·0	—	0·7	15	2·0	—	1·3	—	1·3	—	0·7	—	1·3	10	2·3	340	3·9	325	5·2	325	4·3	335	4·9
13	55	1·6	55	3·0	30	3·9	60	2·3	45	3·0	55	5·2	30	5·2	40	5·2	55	7·2	40	6·2	25	6·2	30	5·9
14	—	0·7	—	0·3	—	1·0	—	1·3	—	1·3	—	1·0	—	0·3	25	2·0	50	2·0	350	6·6	345	7·2	335	6·6
15	—	1·3	180	2·0	170	3·0	170	3·0	170	3·3	170	4·9	170	4·6	170	5·2	170	5·9	170	5·6	175	3·3	220	3·3
16	275	5·9	290	3·6	270	4·9	270	5·2	255	3·9	245	3·6	245	5·2	245	6·9	245	5·9	235	6·9	235	8·2	240	7·5
17	245	5·6	240	4·3	235	4·9	235	3·9	255	4·3	240	4·3	245	5·6	245	4·9	245	5·6	245	6·6	240	7·2	240	6·2
18	285	2·0	290	2·3	290	2·0	290	3·6	290	3·6	290	4·3	290	2·6	290	2·6	290	4·9	280	5·6	275	5·9	280	5·2
19	250	3·0	245	3·0	240	3·3	240	5·2	190	4·6	180	4·6	185	3·6	230	5·2	240	5·2	250	5·2	255	5·2	255	5·9
20	220	3·3	240	3·9	250	4·9	250	3·9	250	4·6	250	3·3	250	3·3	250	3·9	250	5·6	235	4·9	235	5·2	235	5·6
21	220	4·6	220	4·3	220	3·6	220	3·9	220	3·6	230	4·3	230	3·6	230	4·9	230	4·6	230	5·2	235	4·9	235	5·6
22	225	4·9	230	4·9	230	3·9	230	3·3	230	3·0	225	4·9	220	5·2	220	4·9	220	5·9	220	6·2	225	6·9	215	5·6
23	210	7·2	210	7·2	220	8·5	220	8·9	225	6·9	230	9·5	240	9·8	240	10·2	240	9·5	240	9·5	240	6·9	240	5·2
24	—	0·3	—	0·7	—	0·7	—	1·0	—	0·7	—	0·7	—	1·0	130	1·6	150	3·3	160	4·6	165	3·9	190	3·3
25	200	3·9	215	4·9	235	7·5	240	5·9	245	4·3	275	5·2	280	3·3	280	4·6	280	3·6	300	5·9	285	7·2	285	7·5
26	290	7·9	295	6·6	290	8·5	295	5·9	300	6·2	300	6·2	300	4·9	295	5·9	295	5·9	295	7·9	300	6·6	300	5·2
27	195	2·3	195	2·3	185	3·0	175	4·9	170	5·9	160	7·2	205	5·9	240	5·2	230	5·2	225	5·6	225	5·6	225	5·2
28	240	6·6	255	3·9	255	4·6	250	6·2	260	4·6	265	5·6	275	5·9	275	4·9	265	7·2	270	6·6	275	6·9	265	6·2
29	250	3·9	255	5·6	260	6·6	270	5·6	280	3·3	260	5·2	255	3·3	255	4·3	250	3·6	230	4·6	210	3·6	190	4·3
30	245	4·9	240	6·6	240	8·2	240	5·2	240	3·9	240	4·9	240	3·3	210	3·6	200	3·9	195	3·9	175	5·2	215	8·9
31	240	3·9	235	2·6	210	3·0	210	2·3	205	2·6	200	2·6	215	3·3	190	3·3	255	5·2	265	3·0	260	7·5	245	7·5
Mean ...	—	3·5	—	3·5	—	4·0	—	3·8	—	3·6	—	4·0	—	3·8	—	4·2	—	4·8	—	5·2	—	5·3	—	5·7

362. Cahirciveen (Valencia Observatory) : H_a = 12 metres + 14 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	285	4·6	285	4·6	285	5·2	285	4·3	280	3·3	275	3·0	275	3·0	275	2·3	270	2·6	250	3·3	240	5·2	240	4·9
2	110	12·5	120	11·8	120	14·8	135	15·1	140	15·1	150	15·4	155	13·1	165	10·8	180	8·2	220	12·8	240	20·0	240	21·3
3	245	8·2	245	7·9	245	8·2	245	7·5	250	7·2	250	5·9	250	7·2	250	6·9	245	7·9	245	8·9	240	9·2	245	8·5
4	145	4·9	145	5·9	155	5·9	150	7·2	150	5·2	150	6·2	150	7·5	155	9·5	150	9·5	145	8·9	150	8·9	150	10·2
5	150	8·5	160	7·9	175	7·9	180	5·2	180	4·9	185	4·3	190	3·6	195	4·3	205	4·9	205	6·2	205	5·2	210	6·6
6	180	6·6	180	6·6	180	6·6	180	7·2	180	7·5	180	7·2	180	8·2	180	7·2	180	7·5	185	6·2	190	5·9	185	6·9
7	175	7·9	175	7·9	175	7·5	180	7·5	185	5·6	195	4·6	225	5·2	235	5·2	280	4·6	285	4·3	285	3·0	280	3·6
8	165	5·6	170	5·9	170	5·9	170	7·2	165	8·9	170	8·2	170	7·9	170	8·2	170	9·5	165	9·5	170	9·5	170	9·5
9	—	0·7	—	0·3	—	1·0	245	3·3	245	3·3	245	2·0	245	2·3	245	3·6	245	2·6	215	3·3	225	5·6	225	4·9
10	240	3·6	240	3·6	240	2·3	—	1·3	—	0·7	—	0·7	—	0·3	—	0·3	255	2·0	290	2·0	295	2·0	295	2·6
11	—	1·3	45	1·6	—	1·0	45	1·6	45	2·3	45	2·3	45	2·3	—	0·7	105	2·0	155	3·3	165	4·6	170	4·6
12	145	7·5	140	6·2	150	5·6	160	5·9	165	5·9	170	6·2	175	5·9	175	6·6	165	6·9	160	7·2	170	7·5	160	5·6
13	180	4·3	195	3·6	210	3·6	215	2·0	—	1·3	215	2·0	—	1·3	—	1·0	—	0·3	—	0·0	220	1·6	240	3·6
14	315	2·0	—	0·7	—	0·7	315	1·6	315	2·3	315	1·6	—	0·7	360	3·0	360	3·0	355	2·6	345	3·0	340	4·9
15	330	3·9	320	4·3	310	5·2	310	5·6	320	4·3	325	3·9	310	4·9	330	5·9	330	5·2	310	5·9	310	6·2	315	5·6
16	290	3·0	290	2·0	—	1·3	285	3·3	255	4·6	250	3·0	270	4·6	—	1·3	270	1·6	240	3·3	225	5·2	230	5·9
17	215	9·5	240	9·5	240	8·9	240	5·9	240	5·6	240	8·5	245	8·9	245	8·9	245	9·5	245	9·2	245	9·8	240	10·5
18	245	8·5	255	10·2	270	7·9	250	8·9	265	10·2	270	7·9	270	9·8	270	8·2	275	10·2	275	10·8	285	9·8	285	9·5
19	280	5·2	275	4·9	275	4·9	275	4·9	275	4·6	275	4·3	275	3·9	275	3·3	265	4·6	255	4·3	255	4·3	245	5·6
20	250	4·6	250	4·9	250	5·6	250	5·2	260	6·6	280	5·6	315	4·3	320	3·3	—	1·3	310	1·6	200	2·3	175	4·6
21	240	10·2	280	10·2	300	8·2	290	8·9	285	9·2	285	9·2	285	8·2	280	7·9	275	7·9	260	7·2	250	8·5	240	8·5
22	255	10·2	255	10·5	260	9·8	260	9·2	265	9·2	270	9·2	265	8·5	265	9·2	260	9·5	255	9·5	265	10·2	260	9·2
23	180	4·3	180	4·6	165	5·6	150	8·9	155	9·8	150	12·1	150	13·8	100	12·1	190	8·2	220	6·2	215	6·2	220	8·5
24	5	3·3	330	3·6	315	4·6	320	6·9	325	9·5	325	11·5	330	13·1	335	13·1	335	12·5	330	11·1	330	12·5	330	11·1
25	175	3·6	175	3·9	180	3·9	175	5·2	170	6·9	170	7·5	170	9·2	175	8·2	180	8·2	180	7·9	180	8·9	190	7·2
26	225	6·2	220	7·2	225	6·2	220	6·9	220	8·2	225	7·5	220	7·2	220	8·5	220	8·2	220	10·2	225	10·2	225	10·2
27	250	11·8	245	11·5	245	11·8	245	12·5	245	12·5	245	13·8	245	13·1	245	13·8	250	14·1	240	14·4	240	15·4	245	13·1
28	275	10·2	270	10·2	275	10·2	270	9·8	265	9·5	265	9·2	270	8·9	265	8·9	270	8·2	275	7·2	265	6·9	260	7·5
29	80	5·2	90	5·2	80	6·9	70	7·5	55	8·9	55	14·1	50	14·8	35	14·8	15	15·7	10	15·1	5	15·1	5	15·4
30	275	10·5	270	10·2	275	10·2	270	10·5	265	10·5	260	11·1	275	10·8	270	9·5	275	11·1	265	9·8	260	9·5	260	9·2
31	285	5·6	295	6·2	280	6·2	285	6·6	300	4·9	—	1·0	—	1·3	330	4·6	300	4·3	310	6·2	300	5·9	290	5·6
Mean ...	—	6·3	—	6·2	—	6·2	—	6·5	—	6·7	—	6·7	—	6·9	—	6·8	—	6·8	—	7·0	—	7·7	—	7·9
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

July, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
335	2·0	255	2·3	245	3·3	230	3·3	230	3·6	220	3·6	215	3·3	215	2·6	215	2·6	200	3·9	195	2·6	195	2·6	1·8	1
200	6·2	195	5·6	195	5·6	195	6·2	195	5·2	190	5·6	200	4·9	190	5·6	190	4·6	190	5·2	190	5·6	200	5·2	4·5	2
265	3·9	265	3·6	245	3·6	240	4·3	240	3·9	240	3·9	240	3·0	240	2·0	—	1·0	—	1·3	220	2·0	190	1·6	4·1	3
210	3·0	220	2·6	220	1·6	220	2·3	220	2·6	235	2·0	240	1·6	—	1·0	—	1·0	—	0·0	—	0·3	—	0·3	1·7	4
165	6·6	165	6·2	155	5·6	165	6·6	155	6·9	160	4·9	155	4·6	155	4·3	135	3·6	145	2·0	145	2·0	135	3·0	3·6	5
275	3·9	265	3·3	265	3·9	250	3·3	180	4·3	165	3·9	175	4·6	175	6·6	175	6·2	170	5·6	160	3·3	160	2·6	3·1	6
175	6·9	175	6·6	185	4·9	205	4·6	200	4·3	205	4·3	205	3·3	205	2·6	205	3·0	205	3·3	205	2·3	205	3·0	4·3	7
155	8·9	160	8·5	155	7·5	175	5·9	175	5·9	180	5·6	180	6·2	180	6·9	180	7·2	180	6·6	180	5·9	175	6·2	6·2	8
175	7·2	175	6·6	175	6·9	175	5·9	175	5·9	175	5·6	170	4·9	160	3·9	160	4·3	160	3·3	160	3·6	160	3·6	5·8	9
170	4·3	175	3·6	175	4·3	180	2·3	255	2·6	310	3·6	315	3·3	—	0·7	—	0·7	—	0·7	—	0·3	—	0·7	3·3	10
275	4·6	275	3·6	275	3·6	275	3·9	275	2·3	275	1·6	275	2·0	275	3·0	275	1·6	—	0·7	—	0·3	275	1·6	2·0	11
335	6·9	335	7·9	335	8·2	335	8·5	340	7·5	355	6·9	350	4·9	20	4·9	20	5·2	35	4·9	20	4·6	45	2·3	4·3	12
35	6·2	30	5·9	40	5·6	15	6·2	35	6·6	25	5·2	10	6·6	15	4·9	45	2·0	—	1·3	—	0·3	—	1·3	4·5	13
330	7·9	330	5·9	325	5·9	320	5·2	320	4·6	315	5·6	315	5·2	315	3·9	315	2·3	—	0·7	255	1·6	210	1·6	3·4	14
240	5·2	245	3·6	245	3·9	250	5·2	270	5·9	285	6·2	290	3·6	285	3·3	280	3·0	275	3·3	260	3·9	260	3·0	3·9	15
240	9·8	240	8·5	240	8·9	240	8·5	240	9·2	240	8·5	255	6·2	250	5·9	250	5·9	245	5·2	250	5·2	250	4·3	6·4	16
245	6·6	265	6·6	270	6·6	265	7·2	265	7·2	280	8·5	285	7·2	290	5·2	290	3·6	265	5·9	265	3·9	280	3·6	5·7	17
255	7·9	265	6·2	265	5·6	265	5·2	265	5·9	265	5·2	265	4·3	265	4·3	265	3·9	265	3·3	260	3·0	255	2·6	4·3	18
255	4·6	255	4·9	255	4·3	255	3·9	255	3·0	255	4·6	255	4·3	250	4·6	245	4·9	245	3·3	245	3·3	240	3·0	4·3	19
235	5·6	220	3·9	215	4·6	220	5·6	230	5·9	230	5·2	230	3·6	210	3·9	210	4·3	205	4·9	210	4·9	215	5·2	4·5	20
235	6·2	235	5·2	240	6·2	240	5·6	240	6·6	240	5·6	240	4·3	240	3·6	235	3·6	230	3·9	230	3·3	225	3·3	4·6	21
220	5·6	220	6·9	220	5·9	220	5·9	215	5·6	215	6·2	210	5·6	200	4·6	200	3·9	195	4·9	215	4·9	215	5·9	5·2	22
260	4·3	295	4·9	305	5·2	305	3·9	305	3·9	305	3·6	305	3·6	305	2·6	305	1·6	—	0·7	—	0·7	—	1·0	5·7	23
230	5·2	240	5·9	245	5·9	245	6·9	250	5·2	250	4·6	250	4·9	250	5·2	250	4·9	250	4·9	245	2·3	220	3·3	3·3	24
280	6·6	275	7·2	285	6·9	280	8·5	285	8·9	290	8·2	300	6·9	305	5·6	290	7·5	295	6·6	295	7·2	290	6·9	6·2	25
300	6·6	310	5·6	295	5·2	305	4·6	290	4·3	300	4·3	310	2·3	310	2·6	310	2·0	—	0·3	—	0·7	200	1·6	5·0	26
225	5·6	225	5·9	220	5·9	225	6·9	225	7·5	225	7·2	225	6·9	220	5·6	250	4·9	245	2·3	240	2·6	230	3·9	5·1	27
270	6·6	270	6·6	270	6·2	260	5·6	260	4·6	260	4·9	285	2·6	285	2·3	—	0·7	—	1·0	245	3·9	245	2·6	4·9	28
180	5·2	170	5·9	220	6·6	250	6·9	260	5·9	265	6·2	260	6·9	265	6·6	270	6·2	270	4·6	250	6·2	245	5·6	5·2	29
225	7·9	225	10·5	235	12·8	240	13·1	240	11·8	255	9·2	250	7·9	250	8·5	260	7·5	270	6·2	255	4·9	250	5·2	**7·0**	30
250	7·9	260	6·6	280	6·2	285	7·5	280	7·9	285	7·9	285	7·5	280	8·2	280	6·9	280	5·6	300	3·9	300	4·9	5·3	31
—	**6·0**	—	5·7	—	5·7	—	5·8	—	5·7	—	5·4	—	4·7	—	4·4	—	3·8	—	3·4	—	**3·2**	—	3·3	4·5	

August, 1923.

°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	m/s	
235	6·2	225	5·6	225	5·6	220	4·9	205	4·3	200	3·6	190	3·6	160	3·9	140	4·6	130	5·2	140	6·2	120	8·5	4·4	1
250	22·6	250	20·3	250	17·4	250	15·4	250	13·1	250	12·5	250	11·5	250	10·8	245	9·2	240	10·8	245	8·9	245	7·9	**13·8**	2
250	7·2	250	6·2	255	5·6	255	5·2	255	3·3	255	3·3	255	2·3	—	1·3	250	1·6	185	3·3	180	3·0	155	3·6	5·9	3
150	10·8	155	10·8	160	11·5	155	11·1	145	10·2	150	9·8	150	10·2	145	10·8	145	10·5	140	8·9	140	8·5	145	8·9	8·7	4
215	5·9	215	5·9	215	5·6	215	6·2	210	5·9	220	5·9	215	4·6	200	4·3	200	3·6	200	3·6	190	4·3	185	5·6	5·5	5
185	7·2	190	6·9	185	7·5	185	6·6	180	6·2	180	6·6	180	6·9	180	6·9	180	6·9	180	7·2	180	6·6	180	7·2	6·9	6
280	2·3	280	2·6	280	2·3	280	1·6	—	1·3	—	0·7	—	0·7	—	0·3	215	1·6	—	1·0	130	2·0	150	3·3	3·7	7
170	9·2	170	7·9	180	7·2	175	6·6	170	5·6	180	4·6	185	3·6	190	3·0	185	2·0	165	2·3	—	1·3	210	2·6	6·3	8
225	6·2	225	6·2	230	6·2	230	4·9	235	5·6	240	5·2	240	3·9	240	3·6	240	2·3	240	2·0	240	2·0	240	2·6	3·5	9
275	3·9	270	3·0	270	3·9	270	3·9	270	3·9	270	2·3	275	2·3	—	0·3	—	0·3	—	1·0	45	2·3	45	1·6	2·1	10
180	3·3	185	5·2	170	5·6	160	5·9	165	5·2	155	5·2	140	4·6	130	5·6	130	6·6	150	7·5	155	7·2	150	8·2	3·9	11
160	7·5	165	7·2	170	7·5	165	7·2	165	5·9	165	5·6	165	3·9	165	4·3	165	3·9	165	3·9	165	5·2	170	4·9	6·1	12
250	3·9	250	2·3	280	2·6	310	4·9	310	5·2	315	3·6	315	3·6	315	2·6	315	2·3	—	1·3	315	2·0	315	2·6	2·6	13
330	5·9	325	6·6	330	6·2	330	6·2	330	5·9	330	5·6	330	4·6	330	4·3	330	4·3	330	4·3	330	3·3	330	3·9	3·6	14
305	7·2	305	6·6	310	5·6	310	5·6	305	5·2	300	4·3	295	4·9	295	4·3	290	3·9	300	3·3	300	3·3	295	3·6	5·0	15
220	5·6	210	5·2	220	5·6	200	5·2	195	5·6	190	5·6	185	5·6	170	6·9	170	6·9	175	7·2	190	7·9	195	8·5	4·7	16
240	10·5	240	9·5	245	9·2	250	7·5	255	8·5	255	6·2	255	7·5	250	8·2	260	7·9	265	7·5	255	7·9	250	8·5	8·5	17
285	9·8	290	8·5	295	8·2	310	5·9	295	6·9	295	6·2	285	5·9	285	6·9	290	5·9	290	5·9	280	5·9	285	6·2	8·1	18
245	5·2	240	4·3	235	4·9	220	3·3	200	3·9	185	5·2	180	5·9	175	6·9	175	5·2	220	3·9	230	4·3	240	4·9	4·7	19
165	5·9	165	8·5	175	7·9	185	7·5	190	7·5	190	8·2	195	8·2	185	9·8	185	10·8	180	11·1	180	9·8	185	10·5	6·4	20
240	9·2	240	7·5	250	5·9	275	3·9	275	7·5	255	7·9	255	9·8	260	9·5	255	8·9	255	9·2	255	9·2	255	9·5	8·4	21
255	8·9	240	9·5	240	9·2	250	7·5	250	8·5	245	7·5	240	5·6	240	3·3	235	2·3	215	3·3	200	3·6	190	3·9	7·9	22
215	7·2	200	7·2	185	6·9	185	6·2	180	5·9	170	5·2	170	3·0	150	3·0	135	2·6	90	3·3	—	0·7	65	1·6	6·4	23
330	10·2	330	10·2	330	9·2	335	8·5	320	5·9	315	5·6	315	4·3	315	2·3	315	1·6	310	1·6	—	1·0	230	1·6	7·3	24
195	8·5	210	9·2	220	8·5	220	7·2	220	6·2	220	5·2	220	5·2	220	6·6	220	6·6	220	6·9	220	7·5	220	8·2	6·8	25
235	11·5	240	10·8	250	10·2	245	10·5	245	9·5	250	9·2	250	8·5	250	10·2	245	9·5	245	8·9	250	9·5	250	10·5	8·9	26
260	12·1	270	11·5	280	11·8	280	12·8	280	13·1	280	13·4	280	12·1	280	11·1	285	11·8	275	10·5	275	10·5	275	11·5	12·5	27
265	7·5	260	5·6	260	6·6	260	5·6	250	4·3	250	3·3	250	1·6	220	2·3	175	2·6	155	3·0	130	3·9	110	3·9	6·7	28
350	14·4	335	14·8	330	15·1	320	14·8	320	12·5	320	11·1	320	10·8	315	10·5	300	9·2	290	10·8	285	10·5	290	11·1	11·7	29
260	10·5	265	10·5	255	9·8	260	11·1	260	10·2	270	7·9	270	8·9	275	8·2	285	7·9	290	6·2	280	7·2	275	5·6	9·6	30
280	7·5	280	7·5	310	7·5	320	7·9	325	6·9	325	7·5	330	7·2	330	4·6	335	4·3	340	4·3	320	4·3	305	4·3	5·5	31
—	**8·2**	—	7·9	—	7·6	—	7·1	—	6·8	—	6·3	—	5·8	—	5·7	—	**5·4**	—	5·5	—	5·5	—	6·0	6·6	—

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

363. Cahirciveen (Valencia Observatory) : H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	305	3·9	330	3·0	330	3·9	330	4·3	330	4·3	330	3·6	335	4·3	355	1·6	355	2·0	340	4·9	345	4·6	330	5·6
2	—	0·3	—	0·3	—	0·7	—	0·7	—	1·0	—	1·0	—	1·3	—	0·7	—	0·3	—	1·3	320	2·3	280	3·0
3	180	3·6	180	3·6	180	2·6	180	3·6	180	3·6	180	3·9	175	6·2	170	5·6	170	6·9	170	5·9	170	7·9	170	7·5
4	325	4·9	320	6·6	330	6·9	360	3·3	360	3·9	360	3·6	360	2·6	350	2·6	310	4·3	295	4·3	285	4·3	275	5·2
5	245	6·6	245	6·9	250	7·9	250	7·5	250	7·2	250	6·9	250	6·2	250	5·9	250	6·2	245	5·6	245	6·6	245	5·9
6	255	2·3	—	1·3	225	1·6	200	3·0	170	3·9	165	4·6	165	4·9	160	6·2	170	5·6	170	7·2	170	6·9	175	5·6
7	235	8·5	240	8·2	280	6·6	290	4·9	290	4·9	290	3·9	290	2·0	305	4·3	355	6·2	350	6·6	345	6·6	330	7·5
8	—	1·3	—	1·3	—	0·3	—	1·3	90	1·6	—	1·0	—	0·7	150	3·6	160	5·6	170	6·6	170	5·9	170	6·6
9	175	5·2	175	4·9	175	4·6	180	5·6	180	4·9	180	4·3	180	3·9	180	3·9	180	3·9	180	5·2	175	5·2	170	5·9
10	55	1·6	30	2·6	30	3·0	30	2·6	25	2·0	—	1·3	25	2·0	25	2·3	20	3·3	20	2·3	20	3·3	10	3·0
11	—	1·3	15	2·0	15	1·6	15	1·6	—	1·0	—	1·0	—	0·7	—	1·0	230	4·6	215	4·9	210	5·6	215	6·2
12	225	5·6	225	5·6	225	5·6	235	6·9	240	6·2	240	6·2	245	6·9	255	5·2	255	4·9	250	5·9	245	5·2	240	4·6
13	185	4·9	180	5·9	175	6·2	175	6·9	175	6·9	175	6·6	175	7·2	175	7·5	175	8·9	175	9·8	180	8·2	185	7·5
14	260	7·2	250	5·2	240	5·9	260	6·2	255	6·6	260	5·9	260	3·9	270	3·9	295	4·3	285	4·9	280	4·9	295	5·2
15	330	7·5	335	7·5	340	5·6	330	6·2	350	6·6	345	7·2	340	6·9	335	9·2	335	10·5	330	9·8	340	8·5	330	9·5
16	295	4·9	330	4·3	280	4·6	310	5·6	300	5·2	315	4·9	300	3·6	295	3·6	315	5·2	310	4·9	280	4·9	280	3·0
17	175	7·5	170	8·5	170	9·2	165	11·1	165	11·8	165	12·1	165	12·8	180	10·8	210	4·6	250	3·6	320	7·5	305	4·3
18	285	7·5	280	8·2	280	9·5	285	10·2	280	10·8	275	9·8	280	8·2	280	10·2	280	10·2	295	10·2	285	9·2	290	8·5
19	260	3·9	245	7·2	245	6·9	260	7·5	245	8·2	250	9·2	250	8·9	260	6·9	250	8·2	250	10·8	250	10·2	250	10·5
20	280	10·2	295	8·9	295	10·2	290	9·8	295	9·8	290	9·2	290	9·5	290	9·5	290	8·9	285	8·2	285	6·2	280	5·9
21	280	12·1	275	9·5	280	12·5	280	12·1	280	12·5	285	12·5	295	9·8	305	7·9	305	6·2	290	6·2	285	4·9	265	3·9
22	270	5·9	260	8·2	250	5·9	255	7·2	245	7·5	255	6·9	260	7·5	245	6·6	245	9·2	240	9·2	235	7·5	235	8·9
23	275	12·1	295	11·8	305	13·8	320	13·1	325	12·1	325	10·2	310	10·2	300	8·5	305	8·2	300	10·2	305	9·8	305	9·8
24	80	1·6	80	1·6	135	3·3	145	4·3	150	6·2	150	6·2	150	6·9	155	8·2	155	9·5	150	9·5	155	11·1	155	12·1
25	220	13·8	225	14·1	225	13·1	230	15·1	235	15·7	230	13·8	230	12·8	240	16·1	235	20·7	235	19·0	240	18·4	240	19·0
26	235	8·2	240	5·6	225	3·9	215	4·3	205	4·6	185	4·6	180	5·2	175	4·6	180	4·9	180	6·6	170	6·9	170	7·5
27	170	9·5	170	9·5	170	9·8	170	9·8	170	9·8	170	9·2	170	9·5	170	9·2	170	10·5	170	10·5	170	9·5	170	9·8
28	250	5·2	275	3·6	285	2·6	—	1·3	—	1·0	—	0·7	—	0·0	—	0·3	—	0·3	—	0·7	—	0·3	70	2·0
29	165	5·6	165	6·6	170	6·2	170	5·9	165	6·9	160	6·6	165	4·6	160	5·2	160	4·3	165	4·6	170	6·9	170	5·9
30	130	5·6	135	5·6	140	6·6	150	4·3	150	5·9	160	6·2	165	7·2	165	5·2	165	3·9	170	5·2	170	5·9	155	9·5
Mean ...	—	5·9	—	5·9	—	6·0	—	6·2	—	6·4	—	6·1	—	5·9	—	5·9	—	6·4	—	6·8	—	6·8	—	7·0

364. Cahirciveen (Valencia Observatory) : H_a = 12 metres + 14 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/.s
1	—	0·3	255	2·0	310	3·9	335	6·6	335	7·5	345	5·2	360	5·2	355	6·2	355	5·9	350	5·2	335	6·2	335	5·6
2	230	6·6	230	8·9	230	8·5	235	11·1	265	8·9	335	6·9	345	6·2	340	4·9	340	4·3	340	6·2	335	6·2	325	5·2
3	180	7·5	240	13·1	260	16·1	285	16·1	315	16·4	330	15·7	340	13·8	340	13·4	340	12·8	335	13·1	335	12·5	330	12·8
4	350	7·2	355	5·6	350	5·2	360	5·2	360	3·9	360	3·3	360	3·9	360	3·3	360	3·3	340	3·0	325	2·3	—	1·3
5	175	4·3	175	6·6	170	5·6	175	5·9	170	5·9	175	5·6	275	5·6	310	3·6	305	5·2	310	4·3	295	4·9	300	5·9
6	280	5·6	285	4·6	280	5·6	280	4·6	265	6·6	280	6·2	260	7·5	260	8·5	280	8·9	280	6·9	275	7·2	275	7·9
7	240	5·9	240	6·2	240	5·2	220	3·9	215	3·9	210	4·3	195	4·9	215	6·6	225	6·6	235	5·9	240	8·2	245	5·2
8	300	3·9	300	3·0	300	3·0	300	3·0	300	3·0	—	0·3	—	1·0	220	2·0	200	3·0	190	3·9	180	5·2	175	5·6
9	230	12·8	235	11·8	250	10·8	250	7·9	255	6·6	255	8·2	260	8·9	260	8·5	260	7·2	255	8·9	255	7·9	255	8·9
10	220	3·6	220	4·6	205	3·3	190	3·6	195	3·0	200	2·0	200	2·3	200	2·6	200	1·6	—	1·0	260	1·6	320	4·3
11	255	6·6	265	5·9	275	5·2	270	3·6	280	3·9	285	2·3	—	1·0	—	0·3	280	1·6	—	0·7	—	1·3	—	1·3
12	215	2·6	215	3·3	230	2·6	270	3·6	270	3·6	270	4·3	285	6·2	290	6·2	300	6·9	315	8·2	325	9·2	305	9·8
13	305	10·8	305	10·5	320	10·5	325	9·8	325	9·8	325	9·8	325	8·9	325	8·5	335	8·9	330	8·5	320	8·2	320	7·9
14	300	6·2	285	2·3	350	3·9	325	3·3	340	5·2	360	3·9	360	3·3	360	3·6	15	3·0	35	2·0	345	1·6	—	1·3
15	—	0·7	—	0·0	—	0·7	30	2·0	—	1·0	30	2·0	30	1·6	—	1·0	—	1·0	—	0·7	155	1·6	220	3·0
16	255	5·2	250	3·9	250	5·2	255	4·6	270	4·9	270	3·9	270	4·3	270	3·6	275	3·9	270	3·3	270	4·3	270	4·9
17	265	3·3	255	3·0	255	3·0	255	3·3	255	2·6	255	3·9	—	1·3	255	1·6	235	1·6	225	2·0	—	0·7	195	2·6
18	125	3·9	115	3·6	125	4·3	125	4·3	115	3·3	105	3·6	115	4·9	115	2·6	105	1·6	—	1·0	—	1·0	130	2·0
19	235	10·5	245	13·4	255	13·1	250	11·8	255	10·2	245	10·2	260	9·2	250	8·9	245	7·2	245	6·9	240	7·2	235	6·9
20	185	5·2	185	5·9	180	6·2	180	6·9	185	8·5	175	6·9	175	7·9	175	9·8	175	11·5	175	13·1	170	13·1	170	13·1
21	320	3·6	305	7·2	310	9·2	300	7·5	280	8·9	280	8·5	275	6·2	260	8·2	240	10·2	235	9·8	235	12·8	235	10·5
22	245	10·2	250	11·1	255	11·8	250	12·5	255	13·1	265	9·8	275	12·1	280	11·1	280	9·8	270	7·9	260	7·9	245	7·5
23	185	4·6	175	6·6	170	8·5	170	7·9	225	9·8	255	12·5	275	11·8	275	10·2	275	11·5	255	10·2	255	9·5	245	10·5
24	235	8·2	235	8·2	230	6·6	235	7·5	220	7·9	230	8·5	225	6·9	220	5·9	230	7·2	220	8·9	220	9·8	225	9·8
25	230	5·9	225	6·6	225	7·2	235	13·8	230	15·1	230	12·5	230	12·1	225	10·5	225	12·1	230	13·4	225	13·4	225	11·1
26	190	3·6	200	4·9	185	5·2	185	4·9	220	6·6	250	9·2	240	8·2	235	9·5	230	6·2	210	4·9	195	4·3	180	5·9
27	170	6·2	180	5·6	175	6·9	165	7·9	155	8·5	150	9·8	155	11·8	145	9·8	100	5·6	60	3·0	50	1·6	290	3·9
28	290	11·8	300	10·8	300	11·1	305	11·8	300	10·8	310	12·1	310	10·2	300	10·2	305	8·9	290	9·8	285	9·2	285	10·8
29	180	5·2	180	5·9	180	6·9	175	7·9	170	8·2	170	10·5	175	10·2	170	10·8	170	10·2	175	10·5	170	8·2	185	5·9
30	180	10·2	220	7·2	225	5·2	220	7·2	215	7·2	225	6·6	225	5·2	225	5·6	230	6·2	220	5·6	220	6·6	230	6·6
31	245	4·6	270	3·6	265	3·6	260	4·6	285	3·3	—	1·3	270	2·0	260	3·6	270	3·6	275	3·0	290	3·3	—	0·3
Mean ...	—	6·0	—	6·3	—	6·6	—	6·9	—	7·0	—	6·8	—	6·6	—	6·5	—	6·4	—	6·2	—	6·4	—	6·4
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

September, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	ms/.	m/s.	
325	6·2	325	5·6	310	5·2	305	5·6	310	4·9	310	4·6	310	3·3	310	2·6	—	0·7	—	0·7	—	0·7	—	0·3	3·7	1
280	3·3	280	3·9	280	4·3	280	3·9	260	3·3	250	2·3	230	2·0	210	3·3	190	2·3	185	2·0	185	2·6	180	3·3	2·0	2
170	7·9	170	7·5	170	7·9	175	7·2	175	7·5	180	5·6	180	4·6	210	4·9	220	3·6	200	3·3	310	3·6	325	4·9	5·4	3
270	4·6	265	6·6	260	6·6	260	6·9	255	6·6	250	6·6	245	6·6	245	5·6	245	4·3	245	4·3	245	4·9	245	6·6	5·1	4
245	6·2	240	5·6	250	5·9	250	5·2	250	5·2	250	4·6	250	4·6	255	3·9	265	3·9	265	3·6	260	3·6	260	3·9	5·7	5
180	5·6	190	5·9	210	5·2	220	4·9	215	3·6	210	2·0	195	2·6	200	3·6	210	3·3	220	5·2	215	5·2	225	5·9	4·4	6
330	7·2	325	6·2	340	4·9	355	3·9	340	5·9	340	5·2	340	2·0	—	1·3	—	0·3	40	1·6	—	0·3	40	1·6	4·7	7
175	6·9	175	6·6	175	7·2	175	6·2	175	6·6	170	7·9	175	4·9	175	4·3	175	4·9	175	3·6	175	3·9	180	4·9	4·3	8
170	4·6	205	3·6	305	5·2	320	4·6	330	3·0	35	2·3	—	0·7	—	1·0	20	3·3	30	1·6	20	2·6	25	2·0	3·9	9
335	4·9	320	5·9	320	5·6	320	5·6	320	6·6	325	5·6	325	1·6	—	0·3	—	0·7	—	0·7	—	0·7	—	1·3	2·9	10
215	6·9	220	6·6	215	5·9	220	6·6	225	6·2	220	5·6	215	5·2	230	6·6	230	5·6	225	5·6	225	5·2	225	5·2	4·2	11
240	4·9	230	4·6	225	5·6	225	5·6	225	4·9	220	3·9	210	3·3	200	3·9	200	3·3	200	3·9	190	4·3	190	3·9	5·1	12
190	6·9	185	6·2	240	8·9	255	9·2	265	6·2	260	8·5	265	7·2	265	8·2	265	6·9	270	6·2	260	6·9	260	6·2	7·2	13
290	5·6	280	6·2	290	5·9	295	5·6	295	5·2	310	5·9	305	6·2	310	5·9	310	6·6	300	7·2	300	7·5	310	6·2	5·8	14
330	6·2	315	8·9	335	8·2	320	9·5	320	8·9	320	7·5	305	6·9	315	6·2	320	4·6	315	5·2	345	6·2	300	4·9	7·5	15
270	3·3	270	3·0	260	3·6	240	3·9	220	4·3	190	4·3	185	3·6	190	4·3	190	4·6	180	5·6	180	5·9	175	7·5	4·5	16
—	1·3	280	4·6	255	5·2	260	4·3	260	2·3	290	3·6	195	3·3	290	5·9	290	6·2	285	6·9	285	5·9	275	8·2	6·7	17
285	9·8	280	10·2	290	9·5	290	9·2	290	7·5	290	7·5	285	8·2	290	6·2	285	7·2	270	6·6	265	6·2	260	6·9	8·7	18
255	10·2	260	8·9	260	9·5	260	8·9	255	9·8	255	10·5	255	10·5	260	9·8	265	7·2	280	9·8	285	9·8	285	11·5	8·9	19
265	5·9	260	5·9	240	4·3	200	4·6	180	5·9	185	7·5	240	11·1	245	10·8	250	11·1	260	11·1	270	13·4	280	14·8	8·8	20
255	6·9	255	7·2	255	6·9	245	7·9	240	9·2	240	7·2	240	7·2	240	7·2	235	6·6	235	7·5	245	7·9	250	9·5	8·5	21
235	9·8	230	8·9	235	9·5	235	9·5	235	7·2	220	6·6	230	6·6	220	5·9	230	6·2	230	7·5	240	9·5	260	12·1	7·9	22
315	10·5	310	9·8	310	9·8	310	8·2	315	8·2	310	7·2	305	4·6	300	3·3	295	1·6	—	1·3	145	2·0	100	2·0	8·5	23
150	13·4	150	14·1	155	13·1	150	14·4	200	6·6	205	3·6	185	5·9	190	6·2	185	8·2	195	7·9	200	8·9	215	12·5	7·9	24
240	17·7	245	15·4	250	13·8	250	12·5	250	12·5	250	7·5	255	8·2	245	10·2	245	10·5	240	11·1	240	7·9	235	8·2	**13·7**	25
170	7·5	170	7·9	170	6·9	170	7·2	170	6·9	170	7·2	170	7·5	170	7·2	165	8·5	165	8·9	170	8·9	170	8·5	6·7	26
170	9·8	170	10·2	170	9·8	170	7·9	170	9·5	170	8·5	170	9·2	175	7·5	180	8·9	185	6·9	200	4·9	220	4·6	9·0	27
160	2·6	165	3·0	170	2·3	170	3·0	160	4·3	165	5·9	165	6·6	165	6·6	165	4·3	165	6·2	160	5·9	165	6·6	3·1	28
170	7·2	170	8·2	170	8·2	170	6·9	170	6·9	170	3·9	170	2·3	170	3·0	—	1·3	145	7·9	155	8·2	145	6·9	5·8	29
160	3·3	165	4·9	165	6·6	170	3·9	170	3·9	170	4·9	170	3·6	170	3·6	170	3·6	175	2·6	180	1·6	—	1·3	4·9	30
—	6·9	—	**7·1**	—	7·1	—	6·8	—	6·3	—	5·8	—	5·3	—	5·3	—	**5·0**	—	5·4	—	5·5	—	6·1	6·2	

October, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
330	5·2	310	4·6	290	5·2	265	3·9	265	5·2	265	5·2	255	5·2	250	3·9	235	4·9	235	5·2	235	4·6	235	5·6	4·8	1
320	5·2	320	4·9	320	3·3	300	3·3	330	1·6	300	2·6	290	3·3	285	3·3	255	3·3	235	3·3	190	3·9	175	5·6	5·3	2
330	12·8	330	12·5	335	11·8	335	12·1	340	12·1	345	11·8	340	10·2	345	9·5	350	9·8	345	9·8	350	9·5	350	9·5	**12·2**	3
305	2·3	280	2·0	—	1·3	—	1·3	220	2·3	185	3·0	180	3·6	180	3·9	180	4·3	175	4·6	175	3·9	175	5·9	3·7	4
300	5·6	300	5·9	310	7·2	315	5·2	305	6·6	310	5·2	310	6·2	310	4·6	290	5·6	290	3·3	295	4·3	275	4·9	5·4	5
265	6·2	265	6·9	265	6·6	260	5·2	265	6·9	275	5·2	265	4·6	250	6·2	250	6·6	245	6·2	245	6·9	240	6·6	6·4	6
245	5·9	245	6·9	250	5·6	250	6·9	255	6·2	255	3·6	260	3·3	260	2·6	295	3·0	295	3·0	295	5·2	310	4·9	5·2	7
175	7·2	195	7·5	215	9·2	220	9·8	225	10·2	225	9·2	225	9·8	220	9·2	225	9·8	225	9·2	220	9·2	225	11·1	6·1	8
250	8·9	250	7·9	250	7·2	250	6·6	250	5·9	245	5·2	245	3·0	235	2·6	225	3·6	220	3·0	220	2·6	220	3·3	7·2	9
325	2·0	295	3·6	270	5·9	255	5·2	240	7·5	240	7·2	240	8·5	245	7·9	250	5·6	240	8·5	280	6·2	250	7·5	4·5	10
185	2·0	200	2·3	240	3·9	240	3·0	240	3·0	235	2·0	200	2·3	195	3·0	195	3·6	195	4·3	215	2·3	215	2·3	2·9	11
285	11·1	285	10·8	295	9·8	285	9·8	285	9·8	285	10·2	285	12·5	285	11·5	280	13·3	285	12·8	290	9·2	290	10·5	8·1	12
330	7·2	320	7·5	325	6·9	325	6·6	340	6·6	320	5·6	330	5·2	330	5·6	320	5·2	325	4·9	315	5·9	305	4·6	7·8	13
335	2·3	—	0·0	305	2·0	310	3·9	315	3·0	—	0·7	—	0·0	—	0·7	—	1·3	—	0·7	—	0·7	20	1·6	2·4	14
240	4·6	250	4·6	250	4·6	250	4·9	260	2·6	265	2·6	255	1·6	—	1·0	210	2·0	—	0·7	215	2·3	255	4·9	2·1	15
275	5·2	275	3·3	275	4·3	275	3·0	275	3·3	270	3·3	270	3·0	275	2·3	275	2·6	275	3·0	270	3·0	270	3·0	3·8	16
—	1·3	200	3·0	200	3·3	200	2·3	200	1·6	—	1·3	185	2·0	185	2·3	170	3·0	170	2·6	145	4·3	140	3·9	2·5	17
145	2·6	155	3·9	155	4·6	160	4·6	160	6·6	150	6·9	155	8·5	165	10·8	165	10·2	165	14·1	165	13·8	185	14·8	5·5	18
240	8·9	235	6·9	230	6·9	230	5·9	230	3·3	215	3·3	205	3·9	195	4·6	190	3·9	190	4·3	190	4·3	200	5·2	7·6	19
170	13·1	170	12·8	170	13·4	170	13·1	170	12·8	180	6·9	185	2·6	185	5·2	240	4·6	270	1·6	320	4·9	330	3·6	8·5	20
230	9·8	240	10·8	240	10·5	240	8·9	245	11·8	240	9·5	245	10·2	245	10·2	245	10·5	240	11·1	240	11·5	245	12·5	9·4	21
250	10·5	255	8·9	245	10·2	245	11·1	240	9·2	255	8·5	245	6·9	240	6·6	225	4·3	220	5·6	205	5·9	190	5·9	9·2	22
235	8·2	235	8·9	235	6·2	250	7·5	260	7·9	235	4·9	210	5·9	225	6·6	240	6·6	230	4·9	220	6·2	235	9·5	8·1	23
225	10·2	225	10·5	225	10·5	225	10·2	230	9·8	235	7·9	225	7·5	225	7·2	230	8·5	235	7·5	240	7·9	230	7·5	8·4	24
220	11·1	230	9·8	220	10·2	220	9·2	195	7·2	180	5·9	180	5·2	180	4·9	200	4·6	215	3·3	190	3·3	180	4·3	8·9	25
170	6·2	165	8·5	150	10·5	140	13·1	150	15·7	150	14·8	165	10·5	175	6·6	175	5·6	180	5·2	185	6·6	175	5·6	7·6	26
250	8·5	260	11·5	245	9·2	230	7·2	230	7·9	270	10·5	350	5·6	320	6·2	295	8·2	275	7·5	260	9·5	280	13·4	7·6	27
285	10·8	280	10·2	280	9·5	280	9·5	280	7·5	275	6·6	275	5·9	270	4·9	255	2·6	230	3·0	200	3·6	195	4·3	8·8	28
185	6·2	185	6·6	180	6·6	180	6·9	175	6·9	170	8·2	170	8·9	170	9·8	170	9·8	175	10·8	175	9·5	175	10·2	8·2	29
230	7·5	230	8·5	230	7·9	230	7·9	235	8·2	235	6·9	240	7·9	240	7·9	240	6·9	245	7·9	250	6·9	250	6·2	7·2	30
—	1·3	255	2·6	250	2·0	—	1·3	—	0·0	—	1·0	180	3·0	170	2·6	165	3·3	165	3·6	165	4·3	165	4·9	2·8	31
	6·8		6·9		7·0		6·8		6·7		6·0		5·7		**5·6**		5·7		5·7		5·9		6·8	6·4	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

365. Cahirciveen (Valencia Observatory): H_a (height of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	165	3·6	160	3·6	160	3·6	160	4·9	160	4·3	160	4·6	160	5·9	160	4·6	165	4·6	185	3·9	185	4·9	180	5·9
2	285	7·2	290	7·5	290	7·5	290	6·6	280	4·3	255	1·6	205	2·6	190	3·0	190	3·0	180	4·6	175	5·9	215	5·6
3	230	11·1	240	13·8	240	15·1	230	13·1	230	12·5	230	12·5	235	14·1	235	14·4	235	15·7	250	14·4	280	13·1	270	9·2
4	280	12·1	280	12·5	280	12·1	280	11·1	270	11·1	275	11·5	280	9·2	270	10·2	270	8·9	270	9·2	260	10·5	260	11·1
5	250	5·6	255	2·6	—	1·3	255	3·6	—	1·3	225	2·3	—	1·0	310	2·3	—	1·0	300	5·2	345	2·3	310	2·6
6	10	1·6	—	1·3	—	1·3	55	1·6	55	2·0	60	2·3	30	4·9	30	3·6	25	3·0	30	3·9	15	5·2	10	6·2
7	325	6·2	285	7·9	290	8·5	315	6·9	320	7·2	345	5·2	330	3·9	300	3·0	310	2·3	300	2·0	260	3·0	210	3·0
8	—	0·0	—	1·3	310	2·6	310	1·6	315	4·6	320	4·3	320	4·9	330	3·3	330	4·3	280	4·3	290	4·6	300	4·3
9	340	10·8	330	10·5	325	10·2	325	11·1	320	13·1	320	13·1	340	12·1	350	12·5	345	12·1	350	10·5	10	13·1	10	13·1
10	30	9·2	70	4·3	70	6·6	55	8·2	35	5·6	40	4·6	45	2·0	80	2·0	75	3·9	50	5·9	60	5·9	55	3·6
11	—	0·0	—	0·3	—	0·3	—	0·7	—	1·0	—	1·3	—	0·7	20	2·0	—	0·7	—	0·0	—	0·3	—	0·7
12	—	0·0	—	0·3	130	1·6	140	1·6	155	2·0	—	0·3	—	0·3	230	2·6	240	2·0	210	2·0	210	2·0	215	3·3
13	200	8·2	220	10·2	220	10·5	220	11·5	220	10·5	220	9·8	215	11·1	220	11·1	220	10·8	220	11·1	220	11·1	220	10·2
14	300	10·5	295	11·1	295	11·8	295	9·8	290	11·1	290	9·8	290	10·2	305	8·2	300	8·9	295	6·6	290	8·9	280	8·9
15	170	6·2	170	9·5	175	11·5	180	11·5	200	11·8	235	10·5	250	15·4	250	16·7	250	15·4	235	19·3	240	19·7	245	20·3
16	320	2·0	270	8·2	255	10·5	255	11·1	250	11·8	245	13·1	250	11·1	250	14·1	260	11·8	245	12·8	235	12·8	240	13·1
17	240	15·4	250	17·0	250	15·4	265	15·1	290	13·4	275	11·5	295	8·5	275	10·5	265	13·1	295	10·2	285	7·5	260	11·1
18	290	8·5	305	7·9	310	9·2	325	8·9	320	6·6	335	3·3	285	8·9	280	10·5	270	11·1	280	13·4	275	13·8	285	14·1
19	330	5·2	340	4·6	355	6·6	360	5·2	355	7·9	355	8·5	350	9·5	350	8·9	10	6·6	355	9·2	345	9·5	360	7·5
20	10	4·9	5	7·9	340	7·9	350	8·9	350	5·6	340	7·9	330	6·9	340	7·5	10	7·5	335	6·9	350	8·5	350	8·9
21	360	1·6	360	3·0	15	2·0	55	2·3	—	1·0	70	2·3	—	1·3	90	1·6	—	0·7	—	0·0	—	0·7	335	2·6
22	—	1·3	—	1·3	—	1·3	—	1·3	—	1·0	65	1·6	—	1·3	65	2·0	65	1·6	65	1·6	65	3·0	65	2·6
23	50	2·0	—	1·3	65	2·0	65	5·6	75	5·9	80	3·0	65	4·9	80	3·9	80	3·0	60	3·3	50	2·6	70	4·6
24	—	0·3	—	1·3	105	1·6	—	1·3	105	2·3	105	2·3	—	0·3	—	0·7	—	1·0	—	1·0	—	0·0	—	0·3
25	100	2·6	100	2·6	—	1·3	100	2·0	100	1·6	100	2·3	—	1·0	—	1·3	100	1·6	—	0·0	140	3·0	160	3·3
26	—	1·0	—	1·3	175	2·0	75	2·3	60	2·6	—	0·7	—	1·3	55	1·6	55	2·0	55	2·0	55	2·6	70	3·0
27	—	1·3	30	1·6	30	2·3	30	2·3	30	3·3	30	2·3	—	1·3	—	1·0	—	1·0	75	3·9	120	3·6	95	3·9
28	90	1·6	—	1·3	60	2·3	60	3·9	60	3·6	60	2·3	60	1·6	—	1·3	—	1·0	—	0·0	60	2·0	60	2·3
29	50	2·6	35	5·2	35	3·6	—	1·3	35	2·0	—	0·3	—	1·0	—	1·0	35	2·3	—	1·0	—	0·0	—	0·7
30	—	1·0	115	2·0	115	2·0	115	2·6	—	1·3	115	1·6	—	1·3	115	2·6	—	1·3	—	1·3	150	4·9	160	5·6
Mean ...	—	4·8	—	5·4	—	5·8	—	5·9	—	5·7	—	5·2	—	5·3	—	5·6	—	5·4	—	5·7	—	6·2	—	6·4

366. Cahirciveen (Valencia Observatory) : H_a = 12 metres +14 metres.

	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s	°	m/s.
1	—	0·3	—	1·0	—	1·0	—	1·0	—	0·3	—	0·3	—	1·0	—	1·3	—	1·0	—	1·3	300	3·0	295	3·0
2	280	9·8	275	8·5	280	7·5	290	4·9	245	9·5	250	9·5	250	5·9	280	11·5	290	7·9	295	7·5	290	7·9	290	8·9
3	275	10·2	285	9·2	295	9·2	315	7·9	310	7·9	320	9·8	335	10·8	325	9·2	335	7·5	340	4·9	325	4·9	310	3·6
4	250	8·2	250	10·5	250	10·5	245	10·5	240	10·2	240	10·8	250	10·8	245	8·5	240	13·8	240	12·8	230	12·1	240	13·1
5	5	7·2	15	8·2	10	8·5	20	9·5	10	10·2	10	8·9	10	8·5	10	8·5	5	9·2	10	9·5	5	10·8	360	9·8
6	10	5·6	15	3·9	20	2·0	—	0·3	—	1·0	—	1·3	—	0·3	—	1·3	—	1·3	—	1·0	135	2·3	240	3·0
7	170	11·1	170	11·1	175	10·8	175	10·8	175	8·9	180	7·5	200	5·2	220	4·3	215	6·6	215	5·9	230	7·5	225	5·2
8	285	11·1	290	10·2	290	9·5	300	7·9	320	7·2	320	8·5	360	4·6	350	5·6	320	6·2	340	5·2	340	4·9	330	6·2
9	345	3·9	360	3·3	355	3·0	340	3·6	335	2·0	335	2·3	320	2·3	—	1·0	—	0·7	—	1·3	—	0·7	—	0·7
10	220	4·9	225	5·2	230	5·6	225	4·6	220	5·2	230	5·6	220	4·3	230	5·2	230	4·9	220	6·2	220	5·9	220	4·9
11	180	6·2	180	6·9	180	6·6	180	6·6	175	6·2	175	6·9	175	7·5	175	7·2	175	7·9	175	8·2	175	8·5	180	8·2
12	175	8·2	175	8·5	175	9·2	175	9·5	175	9·5	175	9·8	175	9·2	175	9·5	175	8·5	175	8·5	175	7·9	175	7·9
13	10	2·0	—	1·3	—	0·3	—	1·3	—	0·7	—	0·0	—	0·0	—	0·3	—	0·0	—	0·7	—	1·0	—	0·3
14	165	4·3	170	4·3	175	4·9	185	3·9	190	4·3	195	4·3	210	4·6	220	5·9	225	6·6	225	5·9	225	5·9	225	6·6
15	350	2·0	350	2·6	350	2·3	335	3·0	320	4·3	325	3·3	325	1·6	330	3·3	325	3·3	300	2·6	305	2·6	305	3·6
16	275	4·6	265	4·9	265	4·6	250	4·3	245	4·9	245	4·3	245	2·3	245	4·6	245	5·9	245	3·6	265	4·6	270	3·6
17	235	6·6	230	7·5	240	9·5	240	5·2	240	4·9	240	5·2	245	4·6	280	5·2	260	3·6	250	2·0	210	2·0	235	2·6
18	280	7·5	275	8·9	285	8·2	280	6·6	290	6·9	305	3·9	310	5·2	310	4·6	305	4·6	315	4·3	325	3·9	330	4·3
19	330	4·3	330	3·6	320	6·6	330	6·2	330	4·3	325	5·9	320	6·2	350	5·6	340	6·2	345	6·9	350	8·2	345	8·5
20	15	6·9	20	6·2	30	4·9	35	3·3	20	3·6	10	5·9	10	6·6	10	5·9	20	3·9	10	4·3	25	3·0	40	2·3
21	—	1·0	290	4·3	275	5·9	265	6·6	255	6·2	265	6·6	260	6·2	255	6·6	245	7·2	250	8·5	270	8·2	275	7·5
22	300	9·5	295	9·8	290	11·1	285	12·5	280	11·5	290	12·5	290	10·2	285	10·8	285	12·5	275	14·8	275	10·8	265	8·2
23	270	11·8	275	10·2	295	8·5	315	9·5	315	9·8	320	10·5	325	8·5	330	7·5	330	6·9	330	6·2	325	8·2	320	7·2
24	185	4·9	250	11·5	250	9·8	255	10·8	255	12·1	265	8·9	270	7·9	260	9·8	250	10·8	250	11·8	240	10·5	245	9·5
25	145	3·3	165	4·6	165	5·9	165	5·6	165	6·6	170	6·6	170	6·6	170	6·2	170	4·6	195	5·6	215	8·2	220	8·5
26	270	11·8	275	11·1	280	12·5	280	11·5	280	11·8	285	9·5	290	6·6	285	5·9	285	4·6	280	2·0	240	2·3	215	3·0
27	280	9·2	285	9·2	280	7·9	280	5·9	275	3·9	275	1·6	275	1·6	230	2·0	190	2·6	190	2·0	175	4·3	175	6·6
28	290	11·1	330	16·1	350	16·4	350	13·1	340	11·8	350	9·2	340	8·9	335	9·5	335	10·5	330	8·9	330	7·5	330	8·9
29	—	1·3	—	1·3	140	3·0	155	2·3	160	3·6	165	3·3	170	4·9	185	5·2	160	9·5	160	8·9	155	9·2	160	6·9
30	190	7·5	210	9·5	240	10·8	240	9·5	245	7·9	250	7·5	255	9·2	265	7·9	280	9·2	270	9·2	280	11·5	290	9·8
31	280	1·6	—	1·0	—	1·0	280	1·6	265	2·6	—	1·3	230	2·0	230	1·6	—	1·3	—	1·3	220	1·6	—	1·3
Mean ...	—	6·4	—	6·9	—	7·0	—	6·4	—	6·4	—	6·2	—	5·6	—	5·9	—	6·1	—	5·9	—	6·1	—	5·9
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 12 metres + 14 metres.

November, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
175	5·9	240	7·5	300	6·6	295	6·9	295	5·2	290	7·2	300	6·9	295	6·9	290	6·2	290	6·2	290	5·9	300	6·6	5·5	1
235	8·5	235	9·8	240	8·9	240	8·2	240	8·9	240	7·5	240	8·9	240	7·9	240	8·5	240	9·8	240	8·5	230	10·8	6·8	2
275	10·8	275	13·4	270	12·5	275	12·5	270	11·8	270	13·1	280	12·1	280	12·8	280	12·5	275	12·8	265	12·5	275	13·4	12·8	3
260	10·2	265	11·1	265	10·5	260	9·5	265	9·2	265	6·6	255	9·8	255	8·5	270	5·6	265	6·6	250	3·3	285	3·3	9·5	4
300	4·3	310	4·9	300	5·9	310	7·2	330	3·9	350	3·9	320	5·2	355	5·6	345	4·6	350	3·0	—	1·0	25	4·3	3·5	5
5	4·9	10	5·6	10	3·9	340	2·3	345	2·0	315	3·9	20	1·6	—	1·3	—	0·7	95	1·6	—	1·3	20	2·3	2·9	6
200	3·3	185	4·3	175	5·6	175	5·6	170	5·2	170	5·6	175	3·3	175	3·6	175	2·3	140	1·6	135	1·6	—	0·0	4·3	7
300	3·9	300	4·6	300	4·6	330	3·6	345	5·6	355	5·9	350	6·2	335	8·2	350	8·5	345	6·9	330	8·9	335	7·5	4·6	8
15	8·9	10	8·2	10	8·9	10	9·2	25	8·5	30	10·2	15	13·8	25	13·1	20	16·1	25	13·8	30	12·1	25	9·5	11·4	9
30	2·6	—	1·3	330	3·0	355	2·0	20	2·0	—	1·3	—	0·3	—	0·0	—	0·7	—	0·3	—	0·3	—	0·0	3·3	10
160	3·9	160	3·3	160	2·6	160	1·6	—	1·3	—	0·0	—	0·7	—	1·0	—	0·7	70	1·6	—	0·7	—	0·3	1·1	11
225	4·3	225	4·9	225	3·0	225	2·6	225	3·0	225	2·3	215	2·3	195	3·3	190	3·6	185	4·9	180	4·9	185	5·9	2·5	12
220	10·2	220	10·2	230	9·5	240	11·8	245	9·8	255	8·9	265	10·5	285	10·8	320	10·2	305	9·8	315	11·8	310	12·5	10·4	13
280	8·9	280	9·8	290	6·6	280	9·8	245	7·5	245	7·5	260	7·5	250	6·2	245	3·9	185	3·6	185	3·9	185	4·6	8·3	14
245	22·6	250	22·0	260	20·0	280	18·4	285	15·1	290	10·8	290	10·5	285	10·8	285	8·9	290	6·9	270	7·2	250	9·8	**13·7**	15
235	10·8	220	10·5	215	10·8	205	13·4	220	14·4	225	13·1	225	11·5	255	13·8	250	15·1	240	13·8	260	14·1	255	17·0	12·0	16
245	11·8	270	12·5	275	13·8	280	13·1	270	10·5	290	8·2	260	10·2	250	9·5	265	10·5	265	9·5	255	11·1	205	9·5	11·8	17
285	11·1	280	14·1	285	11·8	300	10·5	320	8·5	330	7·5	345	5·2	350	3·0	5	3·6	5	4·3	355	5·6	330	7·2	8·7	18
350	8·5	340	9·8	340	11·5	350	10·5	350	9·8	350	9·8	360	9·2	360	7·5	5	7·2	10	7·9	360	7·9	360	6·9	8·2	19
330	10·2	350	8·9	10	8·2	5	6·2	345	6·6	5	5·9	360	4·3	360	5·2	5	4·9	355	3·9	355	3·3	360	2·0	6·7	20
355	2·6	—	1·0	40	2·0	—	1·0	80	2·0	65	2·3	55	2·3	65	1·6	65	2·3	—	1·0	—	1·3	65	2·0	1·7	21
60	3·0	70	3·9	60	3·9	60	3·3	30	3·9	40	2·3	—	0·0	—	0·3	—	1·0	—	0·3	—	1·3	—	1·0	1·9	22
80	3·9	70	3·3	60	3·0	105	2·3	—	0·7	105	2·3	105	1·6	105	2·0	—	0·3	—	0·7	—	0·3	—	0·3	2·6	23
—	0·7	—	1·0	—	0·0	—	0·0	—	1·3	—	1·3	100	1·6	100	1·6	100	2·0	100	1·6	100	1·6	100	2·0	1·1	24
165	4·9	165	3·9	170	3·9	185	3·9	200	3·9	200	3·3	200	3·3	195	3·9	205	3·9	205	4·3	255	3·0	—	1·0	2·8	25
300	4·6	—	0·3	—	0·3	355	1·6	30	1·6	—	1·0	—	1·3	—	0·7	30	1·6	30	2·0	30	2·0	30	2·0	1·7	26
95	3·9	75	3·6	75	4·3	75	4·9	80	3·6	80	3·3	80	4·3	80	4·3	80	2·6	80	3·0	90	2·0	—	1·3	2·9	27
60	3·0	60	1·6	55	3·0	50	1·6	—	0·3	50	1·6	—	0·7	50	2·0	55	3·3	55	2·6	55	1·6	55	1·6	1·9	28
30	2·6	360	2·3	360	2·0	10	3·0	20	2·3	30	3·0	35	3·3	—	1·0	—	1·3	80	2·3	—	1·0	—	1·0	1·9	29
175	5·6	185	5·2	200	4·9	190	5·9	185	6·6	190	6·6	185	5·9	185	6·9	200	6·2	240	7·5	315	4·6	—	0·7	3·9	30
—	6·7	—	**6·8**	—	6·5	—	6·4	—	5·8	—	5·5	—	5·5	—	5·4	—	5·3	—	5·1	—	**4·8**	—	4·9	5·7	

December, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
180	3·6	175	4·6	175	3·9	175	4·3	175	4·9	140	6·2	150	8·5	300	8·5	325	5·9	280	7·2	270	9·2	275	9·8	3·6	1
300	7·5	290	8·9	300	9·8	305	11·1	310	10·5	310	5·9	305	8·5	300	7·9	300	6·9	275	7·5	270	5·9	275	7·5	8·3	2
280	3·6	275	3·3	265	2·3	230	3·0	200	3·3	180	5·6	170	7·5	165	9·2	170	9·5	170	9·8	220	7·2	245	9·5	7·0	3
240	11·5	240	9·5	240	9·8	240	8·2	250	4·6	260	4·9	265	4·3	220	1·6	120	2·0	—	1·3	45	2·6	10	5·6	8·3	4
10	10·8	10	11·5	10	8·2	5	10·2	360	9·8	360	8·9	10	6·6	5	7·9	5	6·6	360	7·2	5	4·3	10	2·0	8·5	5
155	3·6	160	5·6	160	5·6	170	5·9	170	6·9	170	7·9	175	8·5	175	8·9	170	9·2	170	10·5	175	10·8	170	10·8	4·7	6
230	6·9	220	4·9	220	6·6	220	7·5	215	8·9	225	9·5	250	13·1	290	13·4	290	10·2	295	9·8	290	9·8	285	12·1	8·6	7
340	7·9	335	7·9	320	7·5	340	5·2	360	3·3	325	5·2	315	6·9	325	5·2	340	4·3	360	1·6	320	3·0	345	5·6	6·4	8
—	1·0	220	4·3	250	5·2	230	2·6	210	3·3	215	3·0	225	3·6	230	4·3	225	4·3	225	4·9	225	4·6	215	3·9	2·9	9
220	6·2	225	6·2	220	6·6	205	4·9	205	4·9	195	4·6	195	4·9	195	4·9	195	5·2	190	5·6	190	5·6	185	6·6	5·3	10
175	8·9	175	8·9	175	8·5	175	8·2	175	7·5	175	8·2	175	8·2	175	7·9	180	8·5	175	8·2	175	7·5	175	8·2	7·7	11
175	8·5	175	7·9	175	7·5	175	6·9	175	7·5	175	5·6	315	7·2	325	11·8	340	9·2	10	7·5	75	4·9	10	4·3	8·2	12
—	0·3	—	0·7	—	1·0	15	2·0	115	3·0	135	2·3	120	1·6	—	1·3	130	2·6	145	4·6	150	4·9	155	4·6	1·5	13
230	6·9	230	7·5	225	7·9	230	8·9	235	9·2	250	9·2	335	5·9	350	3·9	350	4·3	350	4·6	350	3·3	350	2·3	5·7	14
320	1·3	295	4·6	290	6·6	290	5·6	285	5·9	280	4·3	280	4·9	280	5·2	270	5·6	260	5·2	275	4·6	275	4·6	3·8	15
270	3·3	265	3·6	250	3·9	250	4·3	250	2·6	—	0·7	215	3·6	230	4·9	220	3·9	230	5·2	240	7·5	240	5·9	4·2	16
240	6·6	240	5·2	240	4·3	240	3·6	240	4·3	240	3·0	240	2·3	240	2·3	240	1·6	265	3·0	265	2·0	270	3·9	4·3	17
330	5·2	330	4·6	330	4·6	330	4·3	330	2·6	330	3·3	330	3·6	330	2·3	330	3·3	330	1·6	330	3·0	330	1·6	4·6	18
345	9·2	345	8·9	345	11·5	355	10·5	355	7·5	355	6·9	5	8·9	10	9·2	5	9·2	10	7·2	15	6·9	20	5·6	7·2	19
40	2·3	50	3·0	55	1·6	55	2·0	45	2·0	—	0·7	—	0·3	—	0·7	65	1·6	—	1·3	—	1·0	—	1·0	3·2	20
270	7·2	270	6·2	270	6·9	275	12·1	285	11·1	295	11·8	305	10·5	315	9·2	315	8·5	325	6·9	305	5·9	295	10·2	7·4	21
260	8·5	265	11·1	265	11·8	260	12·5	265	11·8	265	10·8	265	10·8	260	9·5	260	9·8	250	8·9	245	9·2	255	11·5	**10·8**	22
315	8·9	320	6·9	320	6·6	320	5·9	310	5·6	305	4·9	290	5·9	290	3·9	280	4·3	270	4·6	260	1·6	205	2·6	7·1	23
260	10·8	280	11·5	290	7·9	310	5·6	355	4·6	55	5·2	65	3·3	70	2·6	—	1·3	—	1·3	—	0·3	—	1·3	7·3	24
225	9·8	225	9·8	230	12·8	230	12·5	235	13·8	245	10·2	255	9·5	265	8·2	260	8·9	265	10·2	265	11·8	270	10·8	8·2	25
220	6·2	230	8·2	225	8·2	230	12·1	235	12·8	245	10·8	260	8·2	280	8·2	280	9·5	280	9·2	275	9·2	280	9·5	8·6	26
220	7·9	225	8·5	220	8·5	220	9·5	220	10·5	225	10·5	215	10·8	230	11·5	240	13·1	260	10·8	275	11·1	290	11·1	7·5	27
325	7·9	320	6·6	315	6·6	320	4·6	320	2·0	—	0·7	—	0·7	—	1·3	—	0·7	—	1·3	330	2·0	—	1·0	7·2	28
160	6·2	180	3·6	215	3·9	230	5·2	230	3·9	210	3·9	190	3·9	185	4·9	180	5·9	175	6·2	180	6·6	180	6·2	4·9	29
315	6·9	315	6·2	305	6·9	300	6·6	290	6·9	290	7·5	285	8·2	290	8·2	300	5·6	290	8·2	280	7·2	280	5·9	8·1	30
210	2·6	225	2·0	235	4·6	240	3·6	240	3·3	250	4·3	265	3·6	265	3·6	265	2·0	265	2·0	265	3·0	265	2·3	2·4	31
—	6·4	—	6·5	—	6·7	—	6·8	—	6·4	—	6·0	—	6·3	—	6·2	—	6·0	—	5·9	—	5·7	—	6·1	6·2	—

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

367. Cahirciveen (Valencia Observatory) : H_a = 17 metres + 13 metres. **1923.**

Day.	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.
	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	18	13 35	25	18 25	25	22 45	8	14 55	10	12 45	13	9 30	8	18 0	14	23 50	10	9 35	12	4 50	15	21 55	18	20 0
2	25	21 25	16	18 50	**27**	2 45	7	16 10	8	9 55	†	†	13	16 20	**30**	3 55	6	13 40	15	3 20	13	23 45	19	16 5
3	25	2 20	16	5 0	19	12 35	19	21 5	7	0 30	14	6 30	13	2 35	11	11 25	15	10 10	23	4 35	21	9 25	18	12 15
4	16	23 20	17	23 35	17	22 55	10	19 25	13	12 45	17	8 0	6	11 40	21	15 0	11	2 20	13	0 40	20	4 20	24	9 35
5	26	13 0	27	21 45	16	0 20	18	15 20	9	8 25	11	16 40	12	17 10	14	0 10	11	2 50	13	19 0	14	18 40	18	10 55
6	16	0 25	27	0 35	21	6 20	19	20 10	9	17 25	10	3 5	11	21 50	†	†	13	13 30	15	8 50	11	17 55	20	22 10
7	18	23 25	**43**	4 45	22	1 30	11	14 55	9	14 55	16	22 45	12	14 40	16	4 10	12	0 50	12	8 10	14	2 35	20	1 10
8	23	23 5	15	16 0	9	2 40	15	23 55	10	14 0	**21**	3 50	15	12 35	16	10 25	12	17 40	17	14 25	17	23 25	19	6 25
9	**30**	19 15	33	12 40	14	22 15	**30**	11 30	21	15 15	21	17 30	13	9 50	11	13 15	11	4 20	17	1 10	24	21 10	11	0 5
10	23	3 15	19	6 40	21	11 35	20	0 50	18	20 10	18	0 40	9	0 50	6	16 30	8	16 0	13	22 0	18	1 10	13	24 0
11	20	5 45	15	6 20	18	21 35	12	0 10	**22**	3 45	12	6 50	6	12 45	13	23 0	11	13 45	11	22 15	6	13 20	16	11 0
12	5	22 55	13	22 30	21	10 0	11	15 30	16	1 30	11	12 50	12	16 50	14	13 25	11	0 50	19	21 45	11	24 0	18	5 45
13	10	23 50	12	0 5	14	1 45	19	15 55	19	19 25	13	6 20	14	10 0	9	0 55	19	9 45	15	1 10	19	7 15	7	21 35
14	15	7 5	20	23 50	8	23 15	15	17 30	21	11 30	9	2 10	11	10 50	9	14 45	14	23 10	14	1 20	19	0 15	13	17 0
15	9	15 10	21	4 15	12	12 10	15	5 40	19	20 15	15	11 0	12	8 15	10	12 45	17	10 50	8	23 30	27	14 20	9	20 10
16	9	16 15	19	10 0	12	7 50	13	24 0	16	5 20	12	13 55	14	9 50	18	23 35	13	2 35	11	1 10	**29**	22 35	12	22 25
17	9	13 10	14	11 30	11	23 55	25	20 10	19	2 55	9	2 55	11	17 50	17	1 15	25	6 25	8	22 35	23	1 35	13	2 50
18	9	18 25	26	1 40	11	0 5	15	0 0	10	20 50	10	23 0	9	13 25	15	5 15	21	6 45	26	24 0	22	11 0	12	3 25
19	17	22 30	12	0 20	10	9 55	17	13 25	13	9 30	13	17 50	10	3 55	11	20 20	18	11 55	**28**	0 10	23	17 10	16	15 25
20	20	4 50	23	15 25	8	0 10	13	22 45	12	3 30	11	12 25	10	22 45	22	21 5	21	22 45	25	17 15	18	4 10	11	0 40
21	10	5 0	20	10 40	9	17 25	17	16 40	13	17 40	10	17 10	10	13 45	22	0 15	20	0 45	17	11 50	9	5 35	16	17 45
22	13	11 0	12	6 20	7	21 30	14	15 55	12	10 10	9	6 50	12	23 45	17	0 30	16	20 5	19	5 40	7	11 35	19	6 15
23	9	9 45	23	17 10	6	14 25	14	13 15	15	7 50	8	16 0	16	2 45	22	6 55	20	2 55	22	13 15	11	4 45	17	3 45
24	10	6 35	13	19 30	19	23 0	21	21 35	14	23 5	10	15 45	9	16 5	18	7 5	**27**	14 5	22	9 25	4	2 45	15	13 5
25	12	13 0	17	23 10	21	2 0	18	1 0	19	18 15	10	14 15	12	16 25	18	10 10	26	9 30	21	10 45	11	21 0	19	17 10
26	8	14 40	36	18 40	25	19 15	19	1 10	18	13 40	12	8 55	12	10 15	17	22 50	15	23 55	27	16 5	9	12 50	19	17 10
27	10	8 20	29	0 35	22	1 20	9	23 30	11	1 5	10	17 10	15	5 20	23	11 10	19	14 50	20	6 10	9	9 55	20	19 10
28	11	13 50	22	21 5	12	4 50	9	11 0	14	17 0	7	12 10	12	1 30	15	5 45	11	19 35	19	0 55	8	19 45	**25**	2 10
29	15	13 20	—	—	16	18 10	15	17 15	15	17 50	8	11 20	11	15 5	26	8 45	14	14 10	18	23 20	9	2 5	18	8 35
30	13	2 10	—	—	11	5 35	19	6 35	16	0 20	8	17 5	**17**	15 0	17	5 55	18	11 50	20	0 30	14	19 35	19	2 35
31	18	12 25	—	—	14	12 20	—	—	13	18 10	—	—	12	8 30	12	3 0	—	—	9	8 5	—	—	7	0 10

† Defective record.

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES AS RECORDED BY THE DINES TUBE ANEMOGRAPH.

368. Cahirciveen (Valencia Observatory) : H^a = 17 metres + 13 metres. **1923.**

Month.	DISTRIBUTION OF WIND.								EXTREME VELOCITIES.					
	More than 17·2 m/s.		10·8 to 17·1 m/s.		5·5 to 11 m/s.	1·6 to 5·4 m/s.	0 to 1·5 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid. Time.		Speed.	Time.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hour.	m/s.	day. h. m.
Jan.	—	0	11	95	310	262	77	0	270	16	9	19	30	9 19 15
Feb.	4	18	17	125	324	160	45	0	170	24	7	5	43	7 4 45
Mar.	—	0	11	87	268	292	97	0	260	16	1	23	27	2 2 45
April	—	0	12	68	320	258	74	0	110	15	9	9	30	9 11 30
May	—	0	6	31	411	264	38	0	350	13	25	18	22	11 16 5
June	—	0	3	24	309	329	58	0	200	13	9	17	21	8 3 50
July	—	0	1	1	259	405	74	5	250	11	30	15	17	30 15 0
Aug.	1	3	10	64	383	227	43	24	250	18	2	12	30	2 3 55
Sept.	1	1	7	53	391	228	47	0	250	17	25	9	27	24 14 5
Oct.	—	0	13	67	390	266	21	0	200	16	18	24	28	19 0 10
Nov.	1	3	7	65	234	283	128	7	270	18	15	14	29	16 22 35
Dec.	—	0	11	38	418	233	55	0	240	15	28	2	25	28 2 10
Year	7	25	109	718	4,017	3,207	757	36	170	24	Feb. 7	5	43	Feb. 7 4 45

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18H. TO 9H. G.M.T.

Readings in degrees absolute.

369. Cahirciveen (Valencia Observatory). **1923.**

Day.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	73·1	83·6	75·9	71·9	80·5	77·9	**79·0**	82·7	79·5	83·3	80·3	77·2
2	82·1	83·4	76·9	72·3	79·7	**75·3**	84·9	83·7	**76·9**	81·4	77·0	75·5
3	77·9	†	77·1	74·2	80·9	77·9	85·9	83·5	80·1	80·2	83·1	74·9
4	76·5	77·3	72·5	77·9	82·6	81·9	84·8	†	80·7	76·9	77·2	76·4
5	79·1	78·5	79·1	76·9	80·3	79·7	85·1	86·3	82·1	80·1	75·7	74·8
6	75·2	78·0	79·8	74·1	80·1	81·9	82·1	84·5	83·9	78·9	72·3	**71·5**
7	81·2	74·1	78·6	76·3	**72·3**	77·0	84·3	86·9	84·8	83·9	72·8	78·0
8	78·5	72·5	77·0	72·3	75·9	83·1	84·1	84·5	77·2	80·2	77·3	75·9
9	77·2	75·0	72·9	78·5	77·1	84·3	87·5	85·8	83·3	83·0	76·5	73·1
10	75·1	78·9	76·8	74·4	75·8	81·5	83·9	84·8	79·1	82·1	71·7	79·7
11	74·8	75·2	74·9	75·2	76·9	81·5	79·5	81·0	77·9	80·9	74·8	80·2
12	**72·2**	77·5	79·1	73·3	74·5	79·1	83·1	86·9	85·5	79·9	81·4	81·5
13	75·2	81·8	75·9	74·1	72·7	84·3	82·7	87·9	85·1	78·6	82·7	72·0
14	82·0	72·0	**71·7**	76·4	75·9	80·9	83·0	85·1	81·1	75·2	74·8	73·5
15	76·9	79·6	75·5	76·9	75·7	84·3	83·5	81·5	79·0	**71·9**	73·1	74·7
16	79·1	75·9	73·7	78·7	77·4	†	83·9	81·9	77·3	76·3	73·6	78·5
17	78·1	77·1	74·8	78·5	76·9	80·9	82·5	85·1	82·0	82·3	74·1	79·9
18	72·4	76·7	73·1	80·7	79·3	84·0	80·0	84·1	79·8	78·1	72·6	79·5
19	78·9	73·1	74·1	74·1	79·3	81·3	84·9	84·7	79·5	79·1	75·0	75·1
20	77·8	**70·9**	72·0	80·5	80·6	81·8	87·5	86·3	80·9	78·5	74·1	75·8
21	75·2	75·8	72·5	75·3	79·9	82·3	87·6	83·1	83·7	77·7	72·1	71·9
22	78·3	73·6	75·9	74·2	82·5	81·5	87·4	83·1	80·9	79·1	67·5	80·2
23	74·3	71·3	75·0	74·2	80·0	85·1	†	81·1	79·9	79·9	70·1	77·9
24	78·2	76·3	74·6	**71·3**	73·1	85·1	83·0	81·1	77·3	76·2	**66·3**	79·1
25	76·9	78·1	79·8	79·9	79·1	85·0	87·0	80·5	82·1	78·6	68·1	78·1
26	80·2	79·2	78·5	77·9	76·7	84·7	84·1	83·6	83·7	75·9	74·3	80·9
27	80·3	78·1	81·8	74·8	78·0	82·0	84·7	82·0	85·0	77·3	69·0	78·6
28	76·5	76·9	79·1	76·5	76·8	80·6	84·8	81·3	82·9	78·9	69·1	78·7
29	81·4	—	77·5	79·7	74·1	84·0	84·3	80·8	86·7	78·5	70·1	76·4
30	82·5	—	80·6	83·1	78·5	83·7	84·9	80·1	82·5	80·9	66·9	80·1
31	81·9	—	73·9	—	78·0	—	82·5	**79·8**	—	79·5	—	79·7
Mean	77·7	76·7	76·1	76·1	77·8	82·5	84·1	83·5	81·3	79·1	**73·8**	77·1

NOTES:—(1) The initial 2 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

(2) The minimum refers to the interval from 18h. the previous day to 9h. on the day to which it is entered.

† No record.

370. Cahirciveen (Valencia Observatory). **January, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St.	St.	St.	10	10	10	10	10	10	...	●	●	●	...	...	Fair to o ⌓ early, o ● day.
2	St.	St. : A. St.	St. Cu. : A. St.	10	10	8	7	8	9	...	...	...	...	...	...	c or o all day, occasional ●⁰
3	St.	St.	St. Cu. : A. Cu.	8	10	8	8	7	4	...	...	...	...	...	...	c or o with p ●⁰ day : fair at *n* :
4	St. Cu.	St. Cu.	St. : A. St.	8	9	9	10	10	10	...	...	...	...	...	●⁰	c or o *a* : o in *p* : ● at *n* :
5	St. : A. St.	St. Cu. : A. Cu.	St. Cu.	9	9	5	5	4	3	...	...	...	...	...	...	●² early, c to fair day with p ●.
6	St. Cu. : A. Cu.	St. : A. St.	St.	7	9	10	10	10	10	...	...	...	●⁰	●	●⁰	cp● to fair in *a* : ● in *p* : o with ●⁰ at *n* :
7	St.	St.	St.	10	10	10	10	10	10	●⁰	●⁰	●⁰	...	●⁰	●⁰	o with intermittent ●⁰ all day.
8	St. Cu.	Cu.	St. Cu. : A. St.	9	4	1	6	10	10	...	...	...	...	...	●	●⁰ early, b to bc *a* : b to o in *p* : ● at *n* :
9	Cu.	St. Cu. : A. Cu.	St.	1	7	6	7	7	1	y.	...	...	...	...	...	Squally with frequent p▲ during day, fine
10	St.	Cu. : St. Cu.	St. Cu.	10	9	6	4	7	4	p✶	...	...	...	...	...	Squally with frequent p●▲ all day. [*n* :
11	St.	St. Cu. : A. Cu.	St. Cu. : A. St.	4	6	8	9	8	6	...	...	...	p●	...	p●	p▲ in *a* : o to bc *p* : fine at *n* :
12	St. Cu.	St. Cu. : A. Cu.	St. Cu. : A. Cu.	9	2	3	7	4	10	⌴	...	...	...	...	...	Fine ⌴ early, a fine day.
13	St.	St.	St.	10	10	10	10	10	10	●	●⁰≡⁰	●⁰≡⁰	≡	≡	●⁰≡⁰	o with p● *a* : ≡⁰ and ≡ with ●⁰ all day.
14	St.	St. Cu.	St. Cu.	10	10	5	8	9	8	●⁰≡⁰	...	...	...	...	...	o with ●⁰ & ≡⁰ early : fair *a and p* : c at *n* :
15	St.	St.	St.	3	10	10	10	10	10	...	...	●⁰≡⁰	●⁰≡⁰	...	...	bc to o *a* : ●⁰ & ≡⁰ *p* : c or o at *n* : [●⁰ *p and n* :
16	—	St.	St.	–	10	10	10	10	9	≡⁰	≡⁰	...	...	...	...	●⁰ & ≡⁰ early, b to o *a* : o with occasional
17	St. Cu.	St.	St.	7	9	10	10	10	1	●⁰≡⁰	...	...	...	●	...	●⁰& ≡⁰ early and *a* : o to ●*p* : fine at *n* :
18	St.	St. Cu.	St. Cu.	1	3	8	9	9	10	⌴	...	...	...	...	...	⌴ early, fair to fine *a* : c or o *p and n*.
19	St.	St.	St.	10	10	10	8	10	10	●⁰	●⁰ ≡⁰	...	...	...	●⁰	o or c all day, with ≡⁰ and ●⁰ at times.
20	St. Cu.	St. Cu. : Ci.	St. Cu. : Ci.	7	6	5	8	3	2	...	...	...	p●⁰	...	...	Fair or cloudy with frequent p●⁰ : fine at *n* :
21	St.	St. Cu. : Cu.	Cu.	10	10	10	5	9	1	●⁰≡⁰	...	...	...	...	...	●⁰≡⁰ early, o in *a* : c or bc *p* : fine at *n* :
22	St.	St. Cu.	St. Cu. : A. St.	10	8	10	7	3	10	...	...	...	...	...	...	Fair early, o or c *a and p* : bc to o *n*:
23	St.	St.	St. Cu.	2	10	10	6	10	10	...	∞	...	...	...	...	Fair to o with ∞ early *a* : ●⁰ *p* : fair to o *n* :
24	St.	St. Cu.	St. Cu.	6	7	8	8	10	10	...	...	...	...	...	...	Occasional ●⁰ early, c *a and p* : o at *n* :
25	St.	St. Cu.	St.	4	8	7	7	10	10	...	...	...	...	...	...	o to bc early & *a* : occasional ●⁰ : c or o p [*and n* :
26	St.	St. Cu.	St. Cu.	10	10	10	10	10	10	...	...	...	...	...	...	Overcast and dull all day.
27	St. Cu.	St. : A. St.	St. Cu.	10	10	10	10	10	10	...	...	...	...	...	...	Overcast and dull all day.
28	St.	St. : St. Cu. : Cu.	St. Cu.	10	10	10	10	10	10	●⁰≡⁰	...	...	...	...	...	●⁰ & ≡⁰ early & *a* : o *p and n* :
29	St.	St.	St.	10	10	10	10	10	10	...	...	●	●⁰≡⁰	●⁰≡⁰	●⁰≡⁰	o early, ●⁰ & ● in *a* : ●⁰ & ≡⁰ *p and n* :
30	St. Cu.	St.	St.	10	10	10	10	10	10	...	...	...	...	●≡⁰	≡⁰	●⁰ early, o *a* : ●⁰ or ● p : o ≡⁰ *n* :
31	St.	St.	St.	10	10	10	10	10	10	●⁰≡⁰	●≡⁰	●	●	●⁰	●⁰≡⁰	o with ●⁰ & ≡⁰ or ● at times all day.
Mean Cloud Am'nt				7·6	8·6	8·3	8·5	8·5	8·0							

371. Cahirciveen (Valencia Observatory). **February, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St.	St.	St.	10	10	10	10	10	10	●⁰	●	●⁰≡⁰	●	...	...	o with ● or ●⁰, all day.
2	St.	St.	St. : A. St.	10	10	10	10	10	9	●	...	...	...	...	...	o with ● or ●⁰, early & *a* : o *p and n* :
3	St. Cu. : Cu.	St.Cu. : A. Cu. : A.St.	St. : St. Cu. : A. St.	8	7	9	10	9	8	...	...	...	...	...	...	o or c early & *a* : p● *p and n* : ⊕ *p* :
4	St. Cu.	St. Cu. : Ci.	St. Cu.	9	8	8	8	10	7	...	...	...	...	...	...	op ● early, o to bc *a* : c *p* : bc *n* :
5	St. Cu.	St.	St.	10	10	10	10	10	10	...	●	●	●≡⁰	●	●	c & o early, o ● or o ●⁰ all day.
6	St. Cu.	St.Cu. : A.St. : A.Cu.	St. Cu.	10	7	7	10	3	1	...	...	...	p▲	...	...	● early, cp ● to b *a* : op▲*p* : op▲ to b *n* :
7	Cu. : St.	St. : A. St.	St. : A. St.	10	8	10	10	10	10	...	...	...	●	...	p●²	● early, o or c *a* : ● *p* : p ● *n* :
8	Cu.	St. Cu. : A. Cu.	St. Cu.	2	4	6	10	3	1	...	...	...	●	...	...	p● early, bc *a* : p▲●*p* : b to cp▲*n* :
9	Cu. : St.	St.	St. Cu.	10	10	10	8	7	7	...	...	●	...	...	...	p● early, o *a* : o● to c *p* : bc to o *n* :
10	St. Cu.	Cu. : A. St.	St. Cu. : Ci. St.	10	7	8	6	7	1	●⁰	...	...	...	...	...	o●₀ early, c *a* : cp● to bc *p* : cp● to b *n* : [⊕ *p* :
11	St. : A. St.	Cu.	St. Cu.	9	3	1	8	10	10	...	...	...	...	...	...	p● early, b to c day, o●₀ to o *n* :
12	St. : St. Cu.	St.	St.	10	10	10	10	10	10	...	p●	●	...	...	...	p● early & *a* : ● at times *p and n* :
13	St.	St.	St.Cu. : A.Cu. : Ci.Cu.	10	10	10	6	5	1	●⁰	≡⁰	...	...	...	...	●⁰ early, o ≡⁰ *a* : o to b *p and n* :
14	—	A. Cu.	St. Cu. : A. St.	–	1	3	6	7	5	⌴	...	...	...	...	...	⌴ early, b *a* : b to o *p* : c or bc *n* :
15	St.	St. : A. St.	St. : A. Cu.	10	10	10	10	8	1	●≡⁰	●	●	●	...	...	o● ≡⁰ *a and p* : p● to b at *n* :
16	St. Cu.	St.	St. Cu. : Cu. : A. St.	10	10	10	10	8	9	●	●	●	●	...	p●	bc early, ● *a and p* : bc to op● *n* :
17	St.	St.	St. Cu.	10	10	10	10	10	10	...	...	●	≡⁰	...	●*f*	op ● or o● all day.
18	St. Cu. : Cu.	St.	St. Cu.	9	9	10	8	8	3	...	...	p●	...	...	...	●⁰ early, o to bc *a* : op● to b *p* : b at *n* :
19	Cu. : A. St.	St. Cu. : A. St.	St. Cu. : A. St.	4	8	8	10	10	10	...	...	...	...	...	≡⁰	b to c *a* : c or o *p* : ≡⁰ at *n* :
20	Cu. : A. St. : A. Cu.	St. Cu. : A. St.	St.	7	10	10	10	10	8	⌴	...	...	...	●	...	⌴ early, bc to o●⁰ *a* : o●⁰ to o● *p* : o● to [o *n* :
21	St. Cu.	Cu. : St. Cu.	St. : St. Cu.	10	7	7	7	8	3	...	...	...	...	...	...	op● early, bc to p▲T *a and p* : p▲● to b *n* :
22	St.	St. Cu. : A. St.	Cu. : St. Cu.	10	10	8	10	4	1	●	●	...	p●	...	...	o● a : op● to bc *p* : fine at *n* :
23	St. : St. Cu.	St. Cu. : A. St.	St.	8	8	10	10	10	10	...	...	...	●	●	●≡⁰	bc to op● *a* : o● *p and n* :
24	St.	Cu. : A. Cu. : Ci. Cu.	Cu. : Ci. St.	9	8	6	5	3	8	...	...	...	...	...	...	● early, op● to c *a* : b to c *p and n* :
25	St. Cu.	St. Cu.	St.	10	9	10	10	10	10	...	...	...	●⁰	●	●⁰	● early, o to bc *a* : o●⁰ *p* : o● *n* :
26	St.	St. : St. Cu.	St.	10	10	8	10	10	10	●	...	...	●	●	●⁰	● early, p● *a and p* : o● at *n* :
27	St.	St. : A. St.	St. Cu. : Cu.	10	10	10	10	7	5	●	●	...	...	...	...	o● *a* : op● *p* : o to bc *n* :
28	St.	St.Cu. : Ci.Cu. : Ci.St.	St. Cu.	10	10	6	7	5	10	●	...	...	...	...	...	o● early, op● to bc *a* : p▲ *p* : o or c *n* :
Mean Cloud Am'nt				8·8	8·3	8·4	8·9	7·9	6·7							

Day. | 7h | 13h | 18h | 7h | 9h | 13h | 15h | 18h | 21h | 7h | 9h | 13h | 15h | 18h | 21h | Remarks.
Cloud Forms. | Cloud Amount (All Forms). | Weather.

372. Cahirciveen (Valencia Observatory). **March, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu.	St. : A. St.	St. Cu. : Cu.	8	10	10	10	8	7	...	...	●	●	...	...	c or o *a* : o● *p* : fair at *n* :
2	Cu.	St. Cu. : Cu.	St. Cu. : A. Cu.	7	9	4	5	6	9	...	p●	...	...	...	...	p● early, p●▲ all day : op● to o *n* :
3	St. Cu.	St. Cu. : Cu.	St. Cu. : A. Cu.	10	8	7	6	6	9	p▲	...	...	...	...	...	p●▲ early, c in *a* : p▲ in *p* : o at *n* :
4	St. Cu.	St.	St. Cu.	7	10	10	10	10	10	...	...	...	...	...	...	Fair early, c to o during day.
5	Cu.	Cu. : A. Cu.	Cu. : A. St.	2	5	5	5	8	8	...	...	...	...	...	...	● early, fair during day.
6	Cu.	St. Cu. : Cu.	St. Cu.	10	6	3	7	7	6	p●	...	...	...	...	...	● early, fair to op● or cp● day.
7	St. Cu.	St. Cu. : Cu. : A. Cu.	St. Cu.	9	9	7	7	8	10	...	...	...	...	...	...	p● early, c or o all day.
8	St. Cu.	Cu. : A. Cu. : A. St.	St.Cu. : A.Cu. : Ci.Cu.	9	8	3	4	3	2	...	...	...	...	...	...	o early to bc in *p* : fine *n* :
9	St.	St. Cu. : Cu. : A. Cu.	St. : St. Cu. : Cu.	6	7	5	6	8	2	...	...	...	...	∞	...	Fair or fine day with ∞ in *p* :
10	St. Cu.	St.	St.	10	10	10	10	8	2	●	●	●	●	...	...	o● early & *a* : o● to c *p* : b at *n* :
11	St. Cu. : A. St.	St.	St.	7	10	10	10	10	10	...	≡⁰	●⁰	●	●	●⁰≡⁰	b early, o≡⁰ *a* : o● *p* : o≡⁰●⁰ *n* :
12	St. Cu.	St. Cu. : Cu.	St. Cu.	10	10	7	8	6	7	...	●	...	...	...	...	o● early & *a* : c in *p* : cp● to b *n* :
13	Cu.	Cu. : A. Cu.	St. Cu. : A. St.	8	4	3	3	2	–	...	...	...	...	...	...	bc to cp● early, fine day.
14	—	Cu.	St. Cu. : Cu.	–	–	1	3	7	7	...	...	...	...	...	...	⌊ early, b to bc day : c at *n* :
15	St.	—	—	10	10	–	3	–	–	∞	∞	∞	∞	∞	∞	o in *a* : fine in *p* & at *n* : ∞ all day.
16	St. Cu.	St. Cu.	St. Cu.	10	10	8	9	7	9	≡⁰	∞	∞	∞	...	...	≡⁰ early, o∞ *a* : c∞ to bc∞ *p* : o at *n* :
17	St.	St. Cu.	St. Cu.	6	10	7	4	1	5	⌊	≡⁰	...	∞	∞	∞	≡⁰ early, o to c∞ *a* : c∞ to b∞ *p and n* :
18	—	Cu.	—	–	–	5	7	–	–	⌊	≡⁰	∞	∞	∞	∞	≡⁰⌊ early, fine with ∞ all day.
19	St.	St. Cu.	St. Cu.	10	9	8	10	10	3	...	∞	∞	∞	∞	∞	bc early, c or o with ∞ *a and p* : b∞ *n* :
20	St. Cu.	St. Cu. : Cu.	St. Cu.	2	9	7	7	8	10	≡⁰	∞	∞	∞	∞	∞	≡⁰⌊ early, c or o with ∞ day : o∞ *n* :
21	St. Cu.	St. Cu. : A. Cu.	St. Cu. : Ci. St.	9	8	7	5	7	10	≡⁰	∞	∞	∞	...	...	Cloudy with ≡⁰ or ∞ all day.
22	St. Cu.	St. Cu.	St. Cu.	10	8	7	6	2	–	...	∞	∞	∞	...	...	o to bc with ∞ *a* : bc∞ to b *p* : b *n* :
23	St.	Cu.	St. Cu.	10	5	3	3	2	–	≡⁰	∞	∞	∞	∞	≡⁰	o ≡⁰ early, bc to b with ≡⁰ or ∞ day.
24	St. Cu. : Ci. St.	St. Cu. : Ci. Cu.	St. Cu. : Ci. Cu.	9	9	7	8	7	10	⊅	⊕∞	...	∞	∞	●⁰≡⁰	⊅ ≡⁰ early, c or o with ∞ day, ●₀ *n* :
25	St. Cu.	Cu.	Cu.	9	5	5	6	3	1	...	...	...	...	...	...	≡⁰● early, cp● to b *a* : bc to b *p* : b at *n* :
26	St. Cu.	St. Cu.	St. Cu.	9	9	9	8	10	10	...	...	...	...	...	●≡⁰	bc early, c or o day, ●≡⁰ at *n* :
27	St. Cu. : Ci. St.	St. Cu. : A. Cu.	St. Cu. : A. Cu.	8	10	7	7	7	10	≡⁰	≡⁰	...	...	...	●	● early, c or o with ≡⁰ *a* : c *p*: ● *n* :
28	St. A. St.	St. Cu. : Cu.	St. Cu. : A. Cu.	3	2	3	2	3	3	...	...	...	...	...	...	● early, fine day.
29	St. Cu.	St. Cu. : A. St.	St. : A. St.	10	10	10	10	10	10	...	...	∞	∞	●⁰	●≡⁰	bc early, o or c *a* : o∞ *p* : ● *n* :
30	St.	St. Cu. : Cu.	Cu.	9	10	3	5	2	1	●	...	...	...	...	...	● early, o to b *a* : b or bc *p and n* : [b *n* :
31	St.	St.	St. Cu : Ci.	10	10	10	8	8	3	⊅	...	●	...	...	...	bc with ⊅ early, o to o● *a* : o● to bc *p* :
Mean Cloud Am'nt				7·6	7·7	6·2	6·5	5·8	5·6							

373. Cahirciveen (Valencia Observatory). **April, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. : Ci.	Cu. : Ci.	St.	7	5	4	8	10	10	⌊⌊	...	...	...	...	≡⁰	⌊ early, fair day : o≡⁰ at *n* :
2	St. : Ci. St.	St. Cu. : Cu.	St. Cu. : Cu.	2	1	1	2	2	2	⌊⌊	...	...	...	...	...	⌊ early, fine day & *n* :
3	St. Cu. : A. St.	St. Cu. : A. St.	St. : A. St.	10	10	10	10	10	10	...	...	●	●	●	●≡⁰	o *a* : ● in *p* & at *n* :
4	St. Cu. : A. St.	St. Cu. : A. Cu.	St. Cu. : A. Cu.	7	9	8	7	7	9	...	...	...	...	...	●	● early, c or o all day.
5	St. : St. Cu.	St. Cu. : Cu.	St. Cu. : Cu. : A. Cu.	8	8	7	7	7	6	...	...	...	...	...	...	p● early & *a* : c or bc *p and n* : [o● at *n* :
6	St. Cu. : Cu.	St. Cu. : Cu. : Ci. St.	St.	3	4	4	9	10	10	...	...	...	p●⁰	●⁰	●	p● early, b or bc *a* : cp● or op● *p* :
7	St.	Cu. : A. Cu.	Cu.	10	6	6	7	3	4	p●⁰	...	...	...	...	...	● early, op● to bc *a* : b or bc *p and n* :
8	Cu.	Cu. : A. St.	St. Cu.	1	1	2	8	9	10	⌊⌊	...	...	...	...	●⁰≡⁰	⌊ early, fine *a* : b to o *p* : o●⁰≡⁰ *n* :
9	St. : A. St.	St. Cu. : A. St.	St. Cu. : A. St.	10	9	10	10	8	7	●⁰	∞	∞	∞	∞	∞	●⁰ early, o or c with ∞ all day.
10	St. Cu.	St. Cu. : Cu.	St.	9	8	7	7	10	10	∞	∞	∞	∞	●	●⁰	∞ *a and p*, variable sky : ● at *n* :
11	St.	St. Cu.	St. Cu.	9	10	10	10	8	10	●	≡⁰	...	...	...	...	o● early & *a* : c or o *p* : o, some ●⁰ *n* :
12	Cu.	St. Cu.	St. Cu. : Cu.	1	2	8	7	7	10	⊅	...	...	...	...	...	⊅ early, b to c *a* : c *p* : c or o *n* :
13	St. : A. St.	St. : A. St.	St. : A. St.	10	10	10	10	9	7	...	...	●	●	...	...	op● early, o● *a and p* : op● to c *n* :
14	St. Cu. : A. Cu.	St. : A. St.	St.	8	10	10	10	10	8	...	...	...	●≡⁰	●≡⁰	...	c to op● *a* : o●≡⁰ *p* : o●≡⁰ to c *n* :
15	Cu.	St. Cu.	St. Cu.	8	9	10	10	10	10	p●	p●	p●	p●	p●	p●⁰	op● all day, occasionally c.
16	St. : St. Cu.	St. Cu. : Cu.	Cu. : A. Cu.	7	7	7	6	3	5	...	...	...	...	...	...	Cloudy to fine all day.
17	St.	St. : A. St.	St.	10	10	10	10	10	10	●⁰	...	...	●	●	●	o●₀ early & *a* : o● *p and n* :
18	St.	St. : St. Cu.	St. Cu. : Cu. : A. Cu.	10	10	10	10	7	1	...	●	...	...	...	...	o● early, ● at times *a* : o to b *p* : b *n* :
19	St. Cu. : Cu.	St. Cu. : Cu. : A. Cu.	St. Cu. : A. St.	5	7	7	7	8	9	...	()	()	()	()	...	⊅ early, bc to c () all day : o at *n* :
20	St. Cu. : Cu.	St. Cu. : Cu.	St. Cu.	7	5	4	7	8	1	...	∞	∞	∞	...	≡⁰	o to bc with ∞ *a and p* : b≡⁰ *n* :
21	St. Cu. : Cu.	St. Cu.	St. Cu.	5	6	9	8	9	8	...	...	...	...	...	...	b to c *a* : bc to o *p* : c or o *n* :
22	St.	Cu.	St. Cu.	10	10	5	4	2	1	∞	p●⁰∞	...	...	...	∞	o∞ early, o∞p●⁰ to bc *a* : bc *p* : b∞ *n* :
23	St. Cu. : A. St.	St. Cu.	St. Cu. : Cu.	6	6	8	6	5	7	...	...	...	...	...	...	b to c all day, p●⁰ in *p* :
24	St. : A. St.	A. St. : Ci. St.	St. : A. St.	3	1	4	8	10	10	⌊	...	...	...	●	●	⌊ early, b or bc *a* : bc to o● *p* : o● *n* :
25	St. : A. St.	St. Cu. : Cu.	St. Cu. : A. St.	9	8	7	7	8	10	...	...	...	...	...	...	o● early, cloudy with p● all day.
26	St. : St. Cu.	St. Cu. : Cu.	St. Cu. : A. St.	7	6	6	4	7	9	...	...	...	...	...	...	op● to bc early & *a* : bc *p* : o at *n* :
27	St. Cu. : Cu.	St. Cu. : Cu. : A. Cu.	Cu. : St. Cu.	8	8	5	3	6	9	...	...	...	()	()	...	Cloudy *a* : fair or fine () *p and n* :
28	St. Cu. : A. Cu.	St. Cu. : A. St.	St. Cu. : A. St.	5	10	10	10	10	10	...	...	...	...	...	p●	bc in *a* to o *p and n* : op●⁰ all day.
29	St. : Fr. St.	St. Cu.	St.	10	10	10	10	10	10	...	...	●⁰	●⁰	...	●⁰≡⁰	op● early, o in *a* : o●⁰ *p and n* :
30	St.	St.	St. : A. St.	10	10	10	10	9	10	●⁰	●	≡⁰	≡⁰	...	...	● at times *a* : op● with ≡⁰ *p* : o at *n* :
Mean Cloud Am'nt				7·2	7·2	7·3	7·7	7·7	7·8							

Day.	7h	13h	18h	7h	9h	13h	15h	18h	21h	7h	9h	13h	15h	18h	21h	Remarks.
	Cloud Forms.			Cloud Amount (All Forms).						Weather.						

374. Cahirciveen (Valencia Observatory). **May, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu. : A. St.	St. Cu. : Cu.	St. Cu. : Cu. : A. St.	8	8	7	5	5	9	...	...	...	...	...	≡⁰	Cloudy *a* : fair *p* : o≡⁰ *n* :
2	St. Cu.	St. Cu. : Cu.	St. Cu. : Cu.	2	8	8	7	4	7	...	...	...	...	...	...	b b early, c *a* to fair *p*: c *n* :
3	St.	St.	St. : A. St.	10	10	10	10	10	10	≡⁰	...	≡⁰	...	...	≡⁰	≡⁰ early, o *a*, *p and n* : some ≡⁰ *p and n*
4	St.	St. Cu. : Cu.	St. Cu.	10	10	8	10	10	10	●⁰≡⁰	●⁰≡⁰	...	...	...	...	o●⁰≡⁰ early, o all day, ●⁰ late *a* :
5	A. Cu. : A. St. : St.	St. Cu. : A. Cu.	St.Cu.:Ci.Cu.:F.Ci.	8	8	8	7	7	8	...	...	...	...	...	...	b early, cloudy, p● late *a* :
6	St.	St. Cu.	St. Cu. : A. St.	10	10	10	10	8	3	●⁰≡⁰	●⁰	...	...	...	...	o●⁰≡⁰ early, o●⁰ *a* : o in *p* to b at *n* :
7	St. Cu.	Cu.	—	3	3	3	1	–	1	b	...	...	...	()	...	b early, fine day, () at *n* :
8	St. : St. Cu.	St. Cu.	St. Cu. : Cu.	10	9	8	7	6	1	...	...	...	...	...	...	●⁰ early, cloudy *a* : fair *p* : fine *n* :
9	St. Cu. : Cu. : A. Cu.	St. Cu. : Cu.	St. Cu. : Cu.	8	7	8	7	6	6	p●	...	p●	...	...	...	p●⁰ early & *a* : p▲ *p* : cp● to fair *n* :
10	St. Cu. : Cu.	St. Cu. : Cu.	St.	6	8	8	10	10	10	...	...	...	...	●	●	cp● early, bc or c *a* : o to o● *p* : oq● *n* [●▲ *n*
11	St. Cu. : Cu.	St. Cu. : Cu. : A. Cu.	St. Cu. : Cu.	7	8	7	7	7	9	...	...	...	...	...	p●▲	p● early, cloudy with p▲ day, b to opq
12	St.	St.	St.	10	6	10	10	10	9	p▲	...	p●	...	p●	...	cp▲ early & *a* : p● *p and n* :
13	St. Cu.	Cu.	St. Cu.	8	7	6	10	9	5	p●⁰	...	...	...	...	...	p● early, o to fair *a* : bc to o *p* : bc *n* :
14	St. Cu. : A. St.	St. : A. St.	St. : A. St.	8	10	10	10	10	8	...	p●	p●	●	...	...	p● *a and p* : cloudy *n* :
15	St. Cu.	St. Cu. : Cu.	St. Cu. : Ci. Cu.	7	7	4	3	7	10	p●	...	...	...	p●	p●	b to o with p● all day.
16	St. Cu. : A. Cu.	St. Cu.	St. Cu. : A. St.	7	5	8	8	8	10	...	...	...	...	...	...	op● early, bc to c day, o at *n* :
17	St. Cu.	St. Cu. : A. St.	St. : A. St.	8	8	8	8	10	10	...	...	...	...	...	...	op● early, cloudy day, o at *n* : [p● *n*
18	St. : St. Cu.	St. Cu.	St. Cu.	7	6	7	6	8	10	...	...	()	...	...	p●⁰	op●▲ to bc early & *a* : bc () op● *p* :
19	St. : A. St.	St. Cu. : A. Cu. : A.St	St. : A. St.	10	9	9	10	10	10	p●	...	...	...	...	●	op● early, o all day, ● at *n* :
20	St. : A. St.	St. Cu.	St. Cu.	10	10	10	10	10	10	...	...	...	...	...	...	o● early, overcast all day.
21	St. : A. St.	St. Cu.	St.	9	8	8	10	10	10	...	...	...	...	●⁰	...	o●⁰ early, c in *a* : p● & ●⁰ *p* : o at *n* :
22	St.	St.	St.	10	10	10	10	10	10	●⁰≡⁰	●	...	...	●⁰	...	o●⁰≡⁰ or o● early & *a* : op● to o●⁰ *p*
23	St.	St. Cu. : Cu.	St. Cu. : Cu.	10	6	3	2	5	5	...	...	...	...	...	...	op● early, fair to fine day [o *n*
24	St. Cu.	St. Cu. : A. St.	St. Cu. : A. St.	8	8	10	10	10	10	...	...	...	...	...	●⁰≡⁰	op● early, c to o day, o●⁰≡⁰ *n* :
25	St.	St. Cu.	St. Cu.	10	10	8	7	7	4	...	p●⁰	...	...	...	...	o●⁰ early, o to c with p● day : bc *n* :
26	St. Cu.	St. Cu.	St. Cu.	8	8	8	5	7	9	p●	...	...	...	p●⁰	...	c to bc with p● day : o at *n* :
27	St. Cu.	Cu.	St. Cu.	9	9	5	7	3	3	...	...	...	...	...	...	op● early, o to bc *a* : cp● to b *p* : b *n* :
28	St. Cu. : Ci. St.	St. Cu. : Cu.	St. Cu. : Cu. : A. Cu.	7	7	3	3	4	1	...	∞	...	...	...	...	b to c∞ *a* : b or bc *p and n* :
29	St. Cu.	Cu. : A. Cu. : A. St.	Cu. : A. Cu. : A. St.	4	4	4	2	2	2	...	...	...	...	...	...	Fair or fine all day.
30	St. Cu. : Ci. Cu.	St. Cu. : A. St.	St. Cu. : A. St.	8	3	10	10	10	10	...	...	...	...	∞	∞	b to o *a* : o with ∞ *p and n* :
31	A. Cu.	Cu.	Cu.	2	2	3	2	2	2	∞	∞	∞	∞	∞	∞	Fine with ∞ all day.
Mean Cloud Am'nt				7·8	7·5	7·4	7·2	7·3	7·2							

375. Cahirciveen (Valencia Observatory). **June, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. : A. St.	St. Cu.	St. Cu. : A. Cu.	6	5	8	9	9	6	∞	∞	∞	∞	∞	∞	Fair *a* : o or c *p* : fair *n* : ∞ all day.
2	A. Cu.	Cu. : A. Cu.	—	2	1	4	7	–	6	∞	∞	∞	∞	∞	∞	Fine *a* : fair *p and n* : ∞ all day.
3	St.	Fr. St. : Ci. St.	St. Cu. : A. Cu. : A. St	10	6	8	9	8	9	≡⁰	∞	⊕	⊕	...	...	o≡⁰ early, bc∞ *a* : c or o *p and n* : ⊕ *p* :
4	St.	St. Cu. : Cu.	St. Cu. : Cu.	9	8	7	6	4	6	...	...	...	...	...	...	p● early, o or c *a* : bc *p and n* :
5	St.	St.	St. Cu. : A. St.	10	10	10	10	8	10	...	...	...	...	...	...	p● early, o or c all day.
6	St. Cu. : A. St.	St. Cu. : A. St.	St. Cu. : A. St.	10	10	10	10	10	10	...	...	...	...	...	...	o or c all day, some ∞ *a* :
7	St.	St. : A. St.	St.	10	8	10	10	10	10	...	...	●	...	≡⁰●	...	p●⁰ early, c or o *a* : op● ≡⁰ to o *p* : o at *n*
8	St.	St. : St. Cu.	St. : A. St.	10	10	9	8	10	10	●⁰≡⁰	...	...	...	...	...	o with ● or ●⁰ *a* : o or c *p and n* :
9	St.	St.	St.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	o≡●⁰ early, o with ≡⁰ all day.
10	St. : St. Cu.	St. : St. Cu.	St. Cu.	9	4	7	6	6	8	p●⁰	...	...	...	...	...	op●⁰ early, c or bc all day.
11	St. : St. Cu.	St. Cu. : Cu.	St. Cu. : A. St.	9	8	4	5	8	9	...	...	...	...	...	...	o to bc early & *a* : fair *p* : o at *n* :
12	St. St. Cu.	St. : A. St.	St.	10	10	10	10	10	10	...	...	...	●⁰≡⁰	≡⁰	●⁰≡⁰	c or o *a* : o≡⁰●⁰ *p and n* :
13	St.	St. : St. Cu.	St. Cu. : Cu.	10	10	8	6	7	8	≡⁰	≡⁰	...	...	...	...	o with ●⁰≡⁰ *a* : c to bc *p* : c at *n* :
14	St. Cu.	St. Cu. : Cu.	St. Cu. : A. St.	8	8	4	4	10	10	...	...	...	...	...	≡⁰	c to bc *a* : b to o *p* : o≡⁰ *n* : [c at *n*
15	St.	St.	St.	10	10	10	10	10	8	≡⁰	●⁰≡⁰	●	...	...	...	≡⁰ & ≡ early, ≡⁰ with ● or ●⁰ *a* : ● *p*
16	St.	St. Cu.	St. : St. Cu.	10	9	8	8	9	9	p●⁰	...	...	...	...	...	p●⁰ early, o or c all day.
17	St. Cu.	Cu. : St. Cu.	St. : A. St.	10	8	8	10	10	10	...	...	...	...	...	≡⁰	o to bc *a* : c or o, some ≡ *p* : o≡⁰ *n* :
18	St.	St.	St. : A. St.	10	10	10	8	10	10	≡⁰	...	...	...	≡⁰	≡⁰	≡ & ≡⁰ early, o or c day : ≡⁰ at *n* :
19	St. Cu. : A. Cu.	St. Cu.	St. Cu.	5	6	1	1	1	3	...	...	...	...	...	...	o≡⁰ early, bc or b *a* : fine *p and n* :
20	St. Cu.	St.Cu. : A.Cu. :Ci.Cu.	St. Cu.	7	7	7	7	7	10	...	...	...	...	...	...	Fine early, cloudy day, o *n* :
21	St.	St.	St.	10	10	10	10	10	10	≡⁰	●⁰≡⁰	...	●	...	≡⁰	Dull day with ●, ●⁰≡⁰ *a* : p● *p* : ≡⁰ *n*
22	St.	St. Cu.	St. Cu.	10	9	7	10	9	10	...	...	...	...	...	...	≡⁰ early, dull day.
23	St. : St. Cu.	St.	St. : St. Cu.	10	10	10	8	9	10	...	...	...	...	...	...	c or o all day.
24	St. Cu.	St. : St. Cu.	St. Cu.	10	10	10	10	9	9	...	...	...	...	...	...	Overcast all day.
25	St. Cu.	St. Cu. : A. St.	St. Cu. : A. St.	10	10	9	10	10	10	...	...	...	...	...	...	Overcast all day.
26	St.	St.	St. Cu.	10	10	10	8	3	9	≡⁰	≡⁰	...	...	...	...	o with some ≡⁰ & ●⁰ *a* : o to b *p* : o at *n*
27	St. : St. Cu.	St. Cu. : Ci. St.	St.Cu. : A.St. : A.Cu.	8	8	7	7	8	10	...	...	...	...	...	...	o early, cloudy day, o at *n* :
28	St. Cu.	St. Cu. : A. St.	St. Cu.	2	9	10	9	7	8	...	...	...	...	...	...	o to b early, c or o day.
29	St. : St. Cu.	Fr.St. : St.Cu. : A.St.	St. Cu.	10	10	9	10	10	10	...	...	...	...	...	...	Overcast all day.
30	St. : A. St.	St.	St. Cu. : A. Cu.	10	10	10	10	8	2	...	...	≡⁰	≡⁰	...	...	o in *a* : o with ≡⁰ & ●⁰ *p* : fine *n* :
Mean Cloud Am'nt				8·8	8·5	8·2	8·2	8·0	8·7							

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.

376. Cahirciveen (Valencia Observatory). July, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. : St. Cu.	St. Cu. : A. St.	St. : St. Cu.	10	10	10	10	10	10	...	...	...	...	...	≡⁰	bc early, o all day with ≡⁰ at *n* :
2	St. : A. St.	St. : A. St.	St. : A. St.	10	10	10	10	10	10	...	...	...	...	...	...	o all day, some ● & ●⁰ in evening.
3	St.	St. Cu. : A. St.	St. Cu. : A. St.	10	10	9	7	8	8	●⁰	...	...	...	...	...	●⁰ & ● early, o or c day, bc to c *n* :
4	St. : St. Cu.	St. Cu. : A. St.	St. Cu. : A. St.	8	10	10	10	8	8	...	...	...	...	...	...	c or o all day.
5	St. : A. St.	St. Cu. : A. Cu.	St.	10	10	8	10	10	7	●⁰	●⁰	...	...	●⁰	...	o with ● or ●⁰≡⁰ *a* : o ●⁰≡⁰ *p* : cloudy *n* : [∞ to b ∞ *n* :
6	A. Cu. : A. St.	Cu. : A. Cu.	St. : A. Cu.	8	7	4	1	3	3	...	...	...	∞	∞	∞	●⁰ & p ● early, c or bc *a* : bc [day.
7	St.	St.	St. : St. Cu.	10	10	10	10	10	10	...	●⁰≡⁰	...	...	...	...	b to op ●⁰≡⁰ early, o or c with some ●⁰
8	St. Cu.	St. : A. St.	St.	8	8	10	10	10	10	...	...	●⁰	●⁰≡⁰	●	●⁰≡⁰	o or c *a* : o with ≡⁰ & ● or ●⁰ *p and n* :
9	St. : St. Cu.	St. Cu.	St. Cu. : A. Cu.	10	7	8	7	4	5	...	...	...	...	...	...	p ● & ●⁰ early & *a* : c or bc *p and n* :
10	St. Cu. : Cu.	St. Cu. : Cu.	St. Cu. : Cu.	7	4	3	3	4	2	...	...	...	...	...	...	c to b *a* : b or bc *p* : fine *n*.
11	A. Cu.	Cu. : A. Cu.	A. Cu. : A. St.	2	2	2	6	5	6	☾	...	...	...	...	...	☾ early, fine *a* : fair *p and n* :
12	St.	St. Cu. : Cu.	St. Cu. : Cu.	10	8	6	3	2	2	●⁰≡⁰	...	...	...	...	...	b to o ●⁰≡⁰ early, c or bc *a* : b *p and n* :
13	St. Cu.	St. Cu.	St. Cu.	1	1	1	–	1	2	...	...	...	...	...	...	A very fine day.
14	St.	St. Cu.	St. Cu. : A. St.	2	1	6	9	10	9	...	...	...	...	...	...	☾ early, b *a* : bc to o *p* : o *n* :
15	St.	St.	St. Cu.	10	10	10	10	10	10	●	●⁰	≡⁰	●⁰	...	...	o all day, ● or ●⁰ *a and p* : ≡⁰ *p* : o at *n* : [*p and n* :
16	St. Cu.	St. Cu. : A. St.	St. Cu. : A. Cu.	8	8	10	7	6	8	...	...	...	...	...	...	o to b early, c or o with p●⁰ *a* : o to bc
17	St. : St. Cu.	St. Cu. : Cu.	St. Cu. : Cu.	9	7	7	7	6	8	...	...	...	...	...	...	p● early, o or c *a* : bc or b *p* : c at *n* :
18	St. Cu.	St. Cu. : A. St.	St. Cu. : A. St.	7	8	10	8	8	10	...	...	...	...	...	...	bc to o *a* : c or o *p* : o at *n* :
19	St.	St.	St.	10	10	10	10	10	10	●	...	...	≡⁰	●⁰≡⁰	●⁰≡⁰	o all day, ● & ≡⁰ *a* : o & ≡⁰ *p* : ●⁰≡⁰ *n* :
20	St.	St.	St.	9	10	10	10	10	8	...	...	...	...	...	...	o all day, ●⁰≡⁰ *a* : & early *p* : c at *n* :
21	St.	St. : St. Cu.	St. : St. Cu.	10	10	10	10	10	10	...	...	...	...	...	●⁰	o all day, ≡⁰ late *p* : ●⁰ at *n* : [o *n* :
22	Fr. St. : St. Cu.	St. Cu.	St. Cu.	10	9	10	10	10	10	...	...	...	...	...	...	o all day, ●⁰≡⁰ early, p●⁰ & ●⁰ evening
23	St.	St.	St. Cu.	10	10	10	10	8	3	●⁰	●⁰	≡	...	...	...	o ● *a* : o ●⁰≡⁰ & o≡ to o *p* : fair *n* :
24	St.	St.	St.	10	10	10	10	10	10	...	≡⁰	≡⁰	≡⁰	≡⁰	●⁰≡⁰	b to o≡⁰ early, o≡⁰ all day with ●⁰ at *n* :
25	St.	St. Cu.	St. Cu.	10	10	8	7	8	8	...	...	...	...	...	...	o●⁰≡⁰ & p● early, o *a* : c or bc *p and n* :
26	St. Cu.	St. Cu.	St. Cu.	10	8	7	7	7	10	...	...	...	...	...	...	Cloudy all day, o at *n* :
27	St.	St. : St. Cu.	St. : A. St.	10	10	10	10	10	10	●	...	...	...	...	●≡⁰	o all day, ● at times *a* : p● or ●⁰≡⁰ *p and n* :
28	St. : St. Cu.	St. : Cu.	St. : Cu.	7	6	8	8	5	10	...	...	...	...	...	...	c to bc with p ● *a* : fair *p* : o *n* :
29	St. Cu.	St.	Cu.	10	10	10	10	6	9	...	●⁰	●⁰	...	...	...	op ● early, o *a and p* with ●⁰ : o *n* :
30	St. : St.Cu.: A. St.	St. : A. St.	St. Cu.	10	10	9	7	3	10	...	●	p●	...	...	...	p ● early, o● to op● *a* : c to b *p* : o at *n* : [*p* : cp ● *n* :
31	St. : St. Cu.	St. : St. Cu.	St. Cu. : Cu.	7	9	7	6	6	7	p●	p●	...	...	...	...	b to cp ● early, op ● or c *a* : cp ● to bc
Mean Cloud Am'nt				8·5	8·2	8·2	7·8	7·4	7·8							

377. Cahirciveen (Valencia Observatory). August, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu. : Cu.	St. Cu. : Cu.	St. Cu. : A.St.:A.Cu.	4	9	6	7	7	10	☾	...	...	...	...	...	☾ early, b to op● *a* : bc or c *p* : o *n* :
2	St.	St.	St. Cu. : A. Cu.	10	10	10	7	6	9	●≡⁰	≡⁰	●	...	...	...	o with ● & ≡⁰ *a* : op● to bc *p* : o *n* :
3	St. Cu. : A. Cu.	St. Cu. : A. Cu.	Cu. : A. St.	7	7	4	4	7	8	...	...	...	...	...	...	op● early, c to b *a* : fair *p* : c *n* :
4	St. : St. Cu. : Cu.	Cu. : A. Cu.	St. Cu.	8	8	6	9	9	10	...	...	...	...	...	...	cloudy *a* : bc to o *p* : o at *n* :
5	St. Cu.	Cu.	Cu.	10	9	6	3	2	1	...	...	...	...	...	≡⁰	o● early, o to bc *a* : bc or b *p* : b ≡⁰ *n* :
6	St.	St. : A. St.	St. : A. St.	10	10	10	10	10	10	...	●	...	...	●	●	bc to o early, o● *a* : o to o● *p* : o● *n* :
7	St.	St. Cu. : A. Cu.	A. St. : A. Cu.	10	10	6	8	7	10	≡⁰	...	...	...	...	...	●⁰≡⁰ & ● early, o to bc *a* : c *p* : o *n* :
8	St.	St.	St.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	...	●⁰≡⁰	●≡⁰	o≡⁰ with p● *a* : o● to o *p* : o● & ≡⁰ *n* :
9	St. : A. St.	St. Cu. : Cu.	St. Cu. : Cu.	7	8	7	8	7	10	...	...	...	...	...	...	o● ≡⁰ early, c to b *a* : c *p* : o *n* :
10	St. : A. Cu.	Cu. : A. St.	A. Cu.	6	6	1	3	3	9	☾	...	...	...	...	...	☾ early, fine to cloudy day o *n* :
11	A. Cu. : A. St.	St. Cu. : A. Cu.	St.	8	6	8	7	10	10	☾	...	...	...	●⁰	...	☾ early, c or bc *a* : c to o●⁰ *p* : o●⁰ to o *n* :
12	St.	St.	St. Cu.	10	10	10	10	10	10	●⁰≡⁰	●⁰≡⁰	●⁰≡⁰	●⁰≡⁰	●⁰≡⁰	●⁰≡⁰	o●⁰≡⁰ all day.
13	St.	St.	St. Cu. : A. Cu.	10	10	10	6	4	10	≡	≡⁰	...	...	...	...	o● ≡ early, o≡⁰ *a* : o to bc *p* : o *n* :
14	St. : St. Cu. : A. Cu.	St.Cu.: A.Cu.: A.St.	St.Cu.: A.Cu.: A.St.	7	8	7	7	7	9	☾	...	...	...	...	...	☾ early, cloudy *a* : c to bc *p* : o at *n* :
15	St. Cu. : Ci. Cu.	St.Cu.: Cu.: Ci.Cu.	St. Cu.	7	7	5	5	8	5	...	...	...	()	()	...	☾ early, o to bc *a* : bc () or c () *p* : fair *n* :
16	St. : A. St.	St. Cu. : A. St.	St. : St. Cu. : A. St.	10	9	10	10	10	10	p●	...	()	()	●	●	bc to op● early, o () *p* : o● *n* :
17	St. : St. Cu.	St. : St. Cu.	St.	8	8	8	7	10	10	...	...	...	...	p●	p●⁰	o● early, op● to c *a* : c to op● *p* : p●⁰ *n* :
18	St. : St. Cu.	St. : St. Cu.	St. : St. Cu.	9	8	8	8	9	10	...	...	p●⁰	...	...	...	op● early, o or c *a* : op●⁰ to c *p* : o at *n* :
19	Cu. : St. Cu.	St. Cu.	St.	5	10	10	10	10	10	...	...	...	...	●≡⁰	●⁰≡⁰	o to bc early, o *a and p* : o●⁰≡⁰ & o● ≡⁰ *n* :
20	St.	St.	St.	10	10	10	10	10	10	...	...	●	●	...	...	o●⁰≡⁰ early, o to o● *a* : o, some ● *p* : o *n* : [op● *p* : bc *n* :
21	St. : St. Cu.	St. Cu. : Cu.	St. : St. Cu.	8	7	6	10	8	6	...	...	...	●	p●	...	o● & p● early, c or bc *a* : bc to
22	St. Cu. : A. Cu.	St. Cu. : Ci. Cu.	St. Cu. : A. Cu.	6	2	3	5	3	6	...	...	...	...	...	...	p● early, fine *a* : c to b *p* : bc *n* :
23	St.	St. Cu. : A. Cu.	St. Cu. : A. St.	10	10	5	7	9	8	●	...	...	...	...	...	bc to o● early, o to bc *a* : c or o *p and n* :
24	St. : St. Cu.	St. Cu.	St.Cu.: A.Cu.: A.St.	7	9	7	5	4	2	p●	p●⁰	...	...	...	...	op● early, o to bc *a* : bc *p* : b *n* :
25	St. : A. St.	St.	St. : A. Cu.	10	10	10	9	5	10	...	●⁰	●	...	...	...	bc early, o with ● *a* : o● to bc *p* : bc *n* :
26	Cu.	Cu.	St.	7	9	7	9	6	7	...	...	...	p●	...	...	bc to o with p● all day.
27	St. : St. Cu.	St. : A. St.	St. Cu. : A. Cu.	7	9	10	9	7	8	...	...	p●	p●	...	p●	c to o with p● all day.
28	St. Cu. : A. Cu.	St.Cu.: Ci.Cu.: A.Cu.	St.Cu.: A.Cu.: A.St.	5	8	6	6	7	8	...	p●	...	...	...	...	cp● to bc early & *a* : bc *p* : c *n* :
29	St. : A. St.	St. Cu. : A. St.	St. Cu.	10	10	8	7	6	1	●	p●⁰	...	...	p●	...	o● to c *a* : cp● to bc *p* : fine *n* :
30	St. Cu.	St. Cu.	St. Cu.	5	4	2	6	7	9	...	...	...	...	...	...	Mainly b or bc but some cp● *p* : o *n* :
31	St. : St. Cu.	Cu. : St. Cu.	St. Cu. : A. Cu.	7	7	6	5	6	5	...	...	...	...	...	...	op● early, bc to cp● *a* : bc *p* : c to bc *n* :
Mean Cloud Am'nt				8·0	8·4	7·2	7·3	7·2	8·1							

Day. | 7h | 13h | 18h | 7h | 9h | 13h | 15h | 18h | 21h | 7h | 9h | 13h | 15h | 18h | 21h | Remarks.
Cloud Forms. | Cloud Amount (All Forms). | Weather.

378. Cahirciveen (Valencia Observatory). — September, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu. : A. Cu.	Cu. : Ci. Cu.	Cu.	4	5	5	4	2	4	...	...	...	...	()	()	p early, bc to cp● a : b () p : bc n :
2	Cu.	Cu.	Cu.	4	5	3	4	5	10	p()	()	()	()	()	...	p early, bc () to b () day, o at n :
3	St. : St. Cu.	St.	St.	10	10	10	10	10	10	...	●°	●	●	●°	●°≡°	p early, o● all day, o●°≡° at n :
4	St. : A. St.	St.Cu.: A.St.: A.Cu.	St. Cu. : A. Cu.	8	8	7	7	5	2	...	...	...	...	...	...	o●≡° early, c day, fine n :
5	St. : Fr. St.	St. : St. Cu.	St. : St. Cu.	9	10	10	7	10	10	...	...	...	...	...	...	Fine early, o or c day & n :
6	St.	St.	St.	10	10	10	10	10	10	●°≡°	●°≡°	●≡°	●≡°	...	●°	o●°≡° a : o●≡° to o p : o●° n :
7	St.	St. Cu. : Ci. St.	St. Cu. : Ci. St.	10	10	4	4	4	–	●°	p●°	...	...	...	...	o●°≡° early, op● to bc a : bc p : b n :
8	St. : A. Cu.	Fr. St. : St. Cu.	St. : St. Cu.	8	6	8	9	9	10	...	...	...	...	...	...	p early, fair a : o or c p and n :
9	St.	St.	St. Cu.	10	10	10	10	10	9	●°≡°	●°	●°≡°	●°≡°	...	...	o●°≡° early, o●° a and p : o at n :
10	St. Cu.	St. Cu. : Cu.	St. Cu.: A.Cu.: Ci.St.	3	4	3	3	3	3	...	...	...	()	()	...	p early, bc to b a : b () p : b at n :
11	St. Cu. : A. Cu.	St. Cu.	St. : St. Cu.	4	6	7	9	8	10	p	...	()	...	...	●°	p early, bc () a : c or o p : o●° n :
12	St.	St. : A. St.	St.	10	10	10	8	10	10	●°≡°	...	...	...	...	...	o● to o●°≡° a : o or c p and n :
13	St. : A. St.	St. : A. St.	St. : St. Cu.	10	10	10	10	7	10	●°	●°	...	...	p●	...	o●° early, o with ● a : p● p : o at n :
14	St. : St. Cu.	Cu.	St. Cu. : Cu.	7	7	7	3	7	4	...	...	...	...	...	...	op● early, c a : b to op● p : fine n :
15	St. : St. Cu. : A. St.	St. Cu.	St. : St. Cu. : A. Cu.	9	4	6	9	7	1	●	...	...	...	p●°	...	bc to o with p● & ▲ day, fine n :
16	St. Cu.	Cu. : A. St.	St. Cu. : Ci. St.	8	5	2	7	9	6	p●	...	...	...	...	...	op● early, c or bc a : c or o p : bc n :
17	St.	St. : A. St.	St. : St. Cu.	10	10	8	7	10	9	●≡°	●	●	...	p●	...	o● a : bc to op● p : o at n :
18	St. Cu.	St. : St. Cu.	St. Cu. : Cu.	9	8	8	4	3	2	p●	...	p●	...	p●	...	op● to c a : c to b with p● p : b n :
19	St. : Cu.	St. Cu. : Cu.	St. : St. Cu. : A. Cu.	10	10	7	10	7	7	...	p●°	...	...	...	...	c or o with p● day, cloudy n :
20	St. Cu. : Ci. St.	St. Cu. : A. St.	St.	8	5	10	10	10	10	...	...	...	...	●	...	o to bc a : o to o● p : o at n :
21	St. Cu.	St.	St. Cu. : A. Cu.	10	9	10	10	4	10	...	...	...	...	...	●°	o a : o to bc p : o●° n :
22	St. Cu.	Cu. : A. Cu.	Cu. : A. Cu. : Ci. Cu.	9	7	3	3	7	10	p●	...	...	...	...	...	op● early, c or o to b with p● day : o n :
23	Cu.	St. Cu. : Cu.	Cu.	9	5	7	2	2	1	p●	...	...	...	...	...	o● early, op● to c a : c to b p : b n :
24	St. : St. Cu. : A. St.	St. : A. St.	St. : St. Cu. : Cu.	10	10	10	10	7	10	...	...	●	●	...	...	p early, o to o● a : o● p : o n :
25	St. : St. Cu. : A. Cu.	St. : A. St.	St. : St. Cu.	7	10	10	10	10	7	...	...	...	...	...	...	bc to op● a : o or c to op● p : c n :
26	St. : St. Cu. : A. St.	St. : A. St.	St. : St. Cu. : A. Cu.	10	10	9	10	10	10	...	...	...	...	...	●°	o all day : o●° n :
27	St. : St. Cu.	St.	St.	10	10	10	10	10	10	...	●	●°	...	...	●°	o with ● or ●° at times all day.
28	St.	St. Cu. : A. Cu.	St.	10	10	7	10	10	10	≡°	≡°	...	...	...	●°≡°	o≡°●° to c a : c or o p with ≡° : o●°≡° n :
29	St. : St. Cu.	St. : St. Cu. : A. Cu.	St.	9	10	7	2	2	–	...	...	...	...	...	...	op● early, o or c a : c to b p : b n :
30	Ci. St.	St.	St. : St. Cu.	1	3	10	8	10	10	...	...	...	...	...	...	Fine early to o in p : ●° p : o at n :
Mean Cloud Am'nt				8·2	7·9	7·6	7·3	7·3	7·2							

379. Cahirciveen (Valencia Observatory). — October, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu.	St. Cu. : Ci. Cu.	St. : St. Cu. : A. Cu.	10	7	6	3	3	5	...	...	...	...	...	...	op● early, c or bc all day.
2	St. Cu.	St.Cu.: Ci.St.: A.Cu.	St. Cu. : A. St.	9	8	8	8	10	10	...	...	...	...	...	...	o● early, o or c all day, o n : ⊕ 10h.
3	Cu. : St.	St. Cu.	St. Cu. : A. Cu.	8	7	7	7	5	3	p●	...	p●	p●	...	...	o● early, c or o with p● day, b n :
4	St. Cu. : Ci.	A. Cu.	A. St. : A. Cu.	5	2	6	10	9	10	...	...	...	...	...	...	b to c a : bc to o p : o n :
5	St.	St. Cu.	St.Cu.: Ci.Cu.: Ci.	10	10	8	8	8	2	●°≡°	●°	...	...	...	...	o●≡° early, o●° to c a : c to cp● p : [fine n :
6	St. Cu.	St. Cu. : A. Cu.	St. : St. Cu. : A. St.	10	10	8	10	10	10	...	p●°	...	...	...	...	op● to c a and p : o at n :
7	St.	St.	St.	10	10	10	10	10	10	●°≡°	●°≡°	●≡°	●°	●	≡°	o●°≡° a : o● p : o≡° n :
8	St.	St.	St.	10	10	10	10	10	10	∞	∞	●°	...	...	●°≡°	o∞ to o● a : o● to o≡° p : o●°≡° n :
9	St. Cu. : A. St.	St. Cu. : A. Cu.	St. Cu. : A. St.	9	9	8	9	10	10	...	...	...	...	...	...	op● early, o or c all day.
10	St.	St. : A. St.	St. : St. Cu. : A. St.	10	10	10	10	10	10	●°	●	...	...	...	●	o● a to o in p : o● at n :
11	St. : A. St.	St. : A. St.	St. : St. Cu. : A. Cu.	10	10	10	8	8	9	...	...	≡°	...	...	...	o to o p● a : c p to o at n : ≡° late a :
12	St. Cu. : A. St.	Cu. : St. Cu.	St. Cu.	9	8	3	6	5	5	...	...	...	()	...	...	op● to b a : bc() with p● p : bc n :
13	Cu.	Cu. : St. Cu. : A. Cu.	St. Cu.	8	7	7	8	6	1	p●	...	...	...	...	...	o to bc with p● all day, fine n :
14	St. Cu.	Cu.	St.	7	3	7	5	5	1	...	...	...	()	()	...	op● to b a : cp● to bc() p : fine n :
15	St. Cu. : A. St.	St. Cu. : A. Cu.	St. Cu. : A. Cu.	9	3	7	6	7	5	p	...	...	...	()	...	p early, c or bc all day, () p : op● late p : [fair n :
16	St. Cu. : A. St.	St. Cu.	St. : St. Cu. : A. St.	10	10	8	10	10	10	...	...	...	...	...	●°	c or op● a : c or o p : o●° n :
17	St. Cu. : St.	St.	St. : St. Cu.	10	10	10	10	10	10	≡°	≡°	≡°	≡°	...	...	o≡° a and p : o●° to o n :
18	St. : St. Cu.	St. : St. Cu.	St.	10	10	10	10	10	10	●°	...	...	●°	...	...	o●° early, o a to o●° & o p : o to o● n :
19	Cu. : St.	Cu.: Ci. Cu.	St. Cu. : A. St.	5	3	7	7	10	7	...	...	...	...	...	...	o early, b to cp● a : c to op● p and n :
20	St. Cu. : A. St.	St. : St. Cu.	St.	10	10	10	10	10	10	...	...	...	●	●	●≡°	o● early, o a : o● p and n : ≡° at n :
21	Cu. : A. St.	St. Cu.	St. : St. Cu.	8	9	10	9	10	10	...	...	●°	...	...	...	o● early, c to op● a and p : op● n : [n :
22	Cu. : A. St.	St. Cu.	St. Cu. : A. Cu.	7	7	7	3	7	10	...	...	...	...	...	...	op● early, c to b with p● a and p : o to op●
23	St. Cu.	St. Cu.	St. Cu. : A. Cu.	10	7	3	7	4	5	...	...	...	...	...	...	o● early, cp● to b a and p : bc to op● n :
24	St. Cu. : A. St.	St. Cu. : A. St.	St. Cu. : A. St.	9	10	8	8	8	7	...	▲◹	...	...	p●	...	op● early, op▲◹ a : cp● ▲ p : c or op● n :
25	St. Cu.	St. Cu. : Cu.	St. Cu. : Cu.	8	7	7	3	5	10	...	...	p▲	...	...	p●	o● early, o or cp▲ a : b to cp▲ p : p● n :
26	Cu. Nb. : St. Cu.	St. : A. St.	St.	8	3	10	10	10	10	p●	...	...	●	●	...	o to b with p● a : o● p : o● to o n :
27	St. Cu.	St. : St. Cu.	St.	10	10	9	10	10	8	●≡°	●°	...	p●°	p●	...	o● to c a : op● p : o or c n :
28	Cu. : St. Cu.	St. Cu.	St. Cu. : A. St.	7	9	9	8	6	7	...	...	...	...	...	...	op● to c a : op● to bc p : bc to o n :
29	St.	St.	St.	10	10	10	10	10	10	●	●	●	...	≡°	≡°	o● a and p : ≡° in p & at n : ●° at times n :
30	St. : St. Cu. : Ci. Cu.	St. Cu. : Cu. : A. Cu.	St. Cu. : Cu.	5	4	3	7	5	3	...	...	...	...	...	...	o● early, fair a : b to cp● p and n :
31	St. Cu.	St. Cu.	St. Cu. : A. St.	9	10	7	7	10	10	...	...	...	...	...	...	cp● early, o or c a : bc to o p : o n :
Mean Cloud Am'nt				8·7	7·8	7·8	8·0	8·1	7·7							

Day. | 7h | 13h | 18h | 7h | 9h | 13h | 15h | 18h | 21h | 7h | 9h | 13h | 15h | 18h | 21h | Remarks.
Cloud Forms. | Cloud Amount (All Forms). | Weather.

380. Cahirciveen (Valencia Observatory). **November, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu.	St. : St. Cu. : A. Cu.	St. Cu.	10	9	7	10	3	4	...	...	...	●	...	...	o to bc *a* : o● to b *p* : bc to op● *n* :
2	St. Cu.	St.	St.	10	10	10	10	10	10	...	●⁰	...	●	●⁰	●⁰	bc early, o ● *a and p* : o●⁰ *n* :
3	St.	St. Cu. : A. St.	St. : St. Cu.	10	10	10	5	8	8	≡⁰	p●⁰	p●⁰	...	p●	...	o ≡⁰ early, op● *a* : cp● to bc *p* : cp● *n* :
4	St. : St. Cu.	Cu.	St.Cu.: A. Cu. : A. St.	8	5	7	7	8	6	...	...	...	...	...	...	op● to bc day, bc to op● *n* :
5	Cu. : St. Cu.	St. Cu. : A. Cu.	St. Cu. : A. Cu.	8	8	6	6	3	10	...	p▲	...	...	...	p●	op●▲ to bc *a* : b() to cp● *p* : op● *n* :
6	Cu. : St.	Cu.	St. : A. St.	4	3	3	3	10	10	...	...	()	()	p●	●⁰	op● early, b() *a* : b() to op● *p* : o● to c *n* :
7	St.	St. : A. St.	St. : A. St.	5	10	10	10	10	8	...	...	...	●	...	●⁰	op● early, bc to o *a* : o● *p* : ● & $●_0$ *n* :
8	St.	St. : St. Cu. : A. St.	St. Cu. : A. Cu.	10	10	10	10	3	2	...	p●	...	...	...	...	op● *a and p* : b to op● *n* :
9	St. Cu.	St. Cu. : Cu.	St. Cu.	10	5	5	6	3	1	p●	...	...	...	...	...	bc to cqp● *a* : bc to b *p* : b *n* :
10	St.	A. Cu.	St.	1	3	7	9	10	8	b	...	...	...	≡⁰	...	b ⌓ to c *a* : c or o with ≡⁰ *p* : o ≡⁰ to c *n* :
11	St. : St. Cu.	St. Cu.	St.	10	10	10	10	10	10	≡⁰	...	≡⁰	∞	●⁰≡⁰	●⁰≡⁰	o ≡⁰ *a* : o with ≡⁰ or ∞ p : o ●⁰≡⁰ *n* :
12	St.	St.	St.	10	10	10	10	10	10	≡⁰	●⁰≡⁰	●≡⁰	●≡⁰	●≡⁰	●⁰≡⁰	o●⁰≡⁰ *a* : o●⁰ *p* : o●⁰≡⁰ *n* :
13	St.	St.	St.	10	10	10	10	7	10	●≡⁰	●	●≡⁰	●⁰≡⁰	...	p●	o●≡⁰ *a* : o●≡⁰ to c *p* : c to cp● *n* :
14	St. : St. Cu.	St. Cu. : Cu.	St. Cu. : A. St.	8	7	3	7	5	1	...	...	...	...	...	...	op●▲ to b *a* : p▲ to bc *p* : b to cp● *n* :
15	St. Cu.	St. Cu.	St. Cu.	2	8	4	3	2	4	...	p●	...	...	...	...	o●², bc, cpq▲ *a* : cp▲ to b *p* : op to bc *n* :
16	St. Cu.	St. Cu.	St.	8	7	5	7	10	10	...	...	...	...	●	●	op● early, c or bc *a* : bc to o● *p* : o *n* :
17	St. Cu.	St. Cu. : A. St.	St. Cu. : Nb.	10	8	9	5	7	10	p●⁰	...	p●	...	...	p●	c or o with p●▲ nearly all day.
18	Cu.	Cu. : A. St.	St. Cu.	6	6	8	7	7	3	...	p●⁰	...	...	...	...	bc or c with p● & p ✳ day, b to op● *n* :
19	St. Cu.	St. Cu.	St. Cu.	6	6	7	4	3	2	...	...	p▲	...	...	...	bc to op● *a* : cp▲ to b *p* : b to cp● *n* :
20	St. Cu.	St. : St. Cu.	St.	8	5	5	10	10	7	p●	...	...	p▲	p▲	...	bc to o all day with p● *a* & p▲ *p and n* :
21	Cu. : St.	St. Cu. : Cu. : A. Cu.	St. Cu.	6	2	3	7	5	1	...	...	...	p●⁰	()	⌴	cp● early, fine *a* : b to cp● *p* : b⌴ *n* :
22	—	Cu.	St. : St. Cu.	–	1	–	–	2	1	⌴	⌴	⌴	...	...	⌴	b⌴ *a* : fine *p* : fine with ⌴ *n* :
23	St.	A. Cu.	St. Cu.	1	1	2	–	1	–	⌴⌴	⌴⌴	⌴⌴	...	...	⌴	b⌴ early, fine day, b⌴ at *n* :
24	—	St. Cu. : A. Cu.	—	–	2	3	1	–	–	⌴⌴	⌴⌴	⌴⌴	...	...	≡⁰⌴	b⌴ *a* : fine *p* : fine with ⌴ & ≡⁰ *n* :
25	St.	St. Cu. : A. Cu.	Nb. : St. Cu.	9	3	8	9	9	10	⌴	⌴	⌴	...	p●	...	⌴ early, bc to op● all day, op● *n* :
26	Cu. : A. St.	Nb. : St.	St. : St. Cu.	10	10	10	10	7	1	...	...	●	●	...	≡⁰	o● early, o *a* : o● to bc *p* : b ≡⁰ *n* :
27	St. : A. St.	St. : A. St.	St. : A. St.	4	8	10	10	10	6	⌴	⌴	●	...	...	...	b⌴ early, bc to o● *a* : ● at times *p* : bc *n* :
28	St.	St.Cu.: A.Cu.: Ci.Cu.	St. : St. Cu. : A. St.	8	7	4	6	5	8	≡⁰⌴	∞	∞	∞	∞	∞	c ≡⁰⌴ early, c or bc day with ∞.
29	St.	St. Cu. : Cu. A. Cu.	St. Cu.	10	7	5	7	1	–	●⁰≡⁰	...	...	...	...	⌴	o●⁰≡⁰ early, c to b day, b⌴ *n* :
30	—	St. : St. Cu. : A. St.	St.	–	7	10	10	10	10	⌴	⌴	...	...	●	...	⌴ early, b to o *a* : o to o● *p* : o at *n* :
Mean Cloud Am'nt				6·7	6·6	6·7	7·0	6·3	5·7							

381. Cahirciveen (Valencia Observatory). **December, 1923.**

1	St.	St. Cu. : A. Cu.	St.	10	10	5	10	10	10	...	...	...	...	●	...	o or c *a* : bc to o● *p* : o at *n* :
2	St.	Cu.	St. Cu.	10	10	3	9	8	2	p●⁰	...	...	...	...	...	o to b all day with p● or ▲ : b *n* :
3	Cu. : St.	St. Cu. : Cu.	St. : A. St.	5	8	3	10	10	10	...	p●	...	...	...	●	cp ● early, c to b *a* : o *p* : o ● *n* :
4	St.	St. : A. St.	St.	8	9	9	10	5	8	...	...	p▲	p▲	...	...	o to bc all day with p ● or ▲.
5	St.	St. Cu.	St. Cu.	10	9	7	7	5	1	p●	...	...	...	...	...	o to c with p● *a* : fair *p* : fine *n* :
6	St. Cu.	St. : A. St.	Fr. St. : St. : A. St.	1	7	10	10	10	10	...	...	...	...	...	●⁰	b⌴ early, c *a* : o *p* : o●⁰ *n* :
7	St.	St.	St.	10	10	10	9	10	10	●⁰	...	●	...	p●⁰	p●⁰	o with ● or ●⁰ *a* : c to op ● *p and n* :
8	St.	Cu.	St. Cu.	5	10	3	4	5	2	...	p●	...	...	...	...	o to b all day with p ● or ▲ : b *n* :
9	St.	St.	St. : A. St.	8	8	10	10	10	10	...	...	●⁰≡⁰	...	...	...	o●⁰ early, bc to o *a* : op ● *p* : o *n* :
10	St.	St.: A. St.	St. : A. St.	10	10	10	10	10	10	...	...	p●⁰	...	p●⁰	...	o early to op ● *a and p* : o at *n* :
11	St. Cu.	St. : St. Cu.	St.	8	9	8	10	10	10	...	...	...	...	...	...	o or c all day with ●⁰ late *p* :
12	St.	St.	St.	10	10	10	10	10	10	...	●⁰	●⁰≡⁰	●≡⁰	●≡⁰	●≡⁰	o ≡⁰ all day with ●⁰ *a* & ● *p and n* :
13	St.	St. Cu. : Ci. Cu.	St.	1	2	2	2	2	1	...	...	...	...	...	...	Fine all day, ≡⁰ at *n* :
14	St.	St.	St.	10	10	10	10	10	10	...	...	...	...	●	...	≡⁰ early, o all day with ● late *p* :
15	St.	St. Cu.	St. Cu.	10	10	10	8	10	10	...	...	...	...	...	...	A dull day.
16	St.	St.	St.	10	10	10	10	10	10	●⁰≡⁰	●⁰≡⁰	...	...	...	p●⁰	o●⁰≡⁰ *a* : o *p* : op● *n* :
17	St.	St. : St. Cu.	St.	10	9	8	7	10	10	●⁰≡⁰	...	...	...	...	●⁰≡⁰	●⁰ or p ● a : cloudy *p* : ●⁰≡⁰ *n* :
18	St.	St. Cu. : A. Cu.	St. Cu. : A. St.	5	10	7	7	6	9	≡⁰	●⁰≡⁰	...	...	...	...	Some ≡⁰ early, o *a* : c or bc *p* : o *n* :
19	St.	St. Cu. : Cu.	St. Cu. : Ci. Cu.	5	9	7	7	6	8	...	...	...	...	...	...	b early, o or c to bc *p* : c or o *n* :
20	St.	St. Cu. : Cu.	St. Cu. : Ci. Cu.	2	7	7	7	7	10	...	...	...	...	...	∞	b early, c *a* to o ∞ *n* :
21	St.	St.	St.	10	10	10	10	10	10	...	●⁰≡⁰	●⁰≡⁰	●≡⁰	●⁰	≡⁰	o●⁰ or ● with ≡⁰ all day, ≡⁰ at *n* :
22	St. Cu.	St.	St.	9	10	10	10	10	10	≡⁰	...	...	...	...	●⁰≡⁰	≡⁰ early, o all day with ●⁰≡⁰ at *n* :
23	St. : St. Cu.	St. Cu. : Cu.	St. Cu. : A. St.	5	5	7	9	7	10	...	...	...	...	...	●⁰	p● early, bc or c *a* : c to o *p* : ●⁰ *n* :
24	St.	St.	St. : A. St.	10	10	10	10	10	10	≡₀	●⁰≡⁰	●	●₀	...	...	● & ≡⁰ early, ● or ●⁰ *a* : o *p and n* :
25	St.	St.	St.	10	10	10	10	10	10	●⁰≡⁰	●⁰≡⁰	●⁰	●⁰≡⁰	...	...	o with ●⁰ & ≡⁰ all day.
26	St. Cu. : A. St.	St.	St.	10	10	10	10	10	10	...	...	●	●	●	p●⁰	●⁰ early, o *a* : o● *p* : op● *n* :
27	St.	St.	St.	10	10	10	10	10	10	≡⁰	...	...	●	...	●	≡⁰ early, ● at times *p* : o● *n* :
28	St. : Cu.	St. Cu. : Cu.	St. Cu. : A. St.	5	8	7	6	8	7	...	...	...	...	...	...	c or bc all day.
29	St.	St.	St.	10	10	10	10	10	10	●⁰	●⁰	●	●⁰	●⁰≡⁰	≡⁰	o all day with frequent ● or ●⁰ : ≡⁰ *n* :
30	St. Cu.	Cu. : Ci St.	St. Cu.	9	9	8	8	8	4	...	...	...	...	...	...	o *a* with p ● & ≡⁰ : c or bc *p and n* :
01	St.	St.	St.	10	10	10	10	10	10	...	≡⁰	≡⁰	≡⁰	●⁰≡⁰	●≡⁰	o≡⁰ all day with ●⁰ *p and n* :
Mean Cloud Am'nt				7·9	9·0	8·1	8·7	8·6	8·5							

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.

M.O. 279
(Richmond)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1923

Comprising the results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

RICHMOND (KEW OBSERVATORY)

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RICHMOND (KEW OBSERVATORY).

Latitude	51° 28′ N.
Longitude	0° 19′ W.
G.M.T. of Local Mean Noon	12h 1m.

Heights in Metres above Sea Level.

Barometer	10·4
Raingauge	5·5
Robinson Cup Anemograph	25
Dines Tube Anemograph	25

Heights in Metres above Ground.

Thermometer Bulbs	3·0
Sunshine Recorder	13·3
Robinson Cup Anemograph	20
Dines Tube Anemograph	20

INTRODUCTION.

SITE.

The Observatory was built in 1769 as the private observatory of King George III. Since 1842 it has been devoted to physics and meteorology. The meteorological records are continuous from 1854. The observatory is in the Old Deer Park, Richmond (Surrey), about 10 miles (16 km.) to the west of the City of London. It lies within a bend of the river Thames, which is distant about 300 metres on the north and west sides of the Observatory, and stands on a low artificial mound whose level is about 1½ metres higher than that of the surrounding park. Kew Gardens, which are extensively wooded, lie to the east-north-east, the nearest point of the Gardens being about 600 metres away. The town of Richmond, to the south-east, is about 1,100 metres distant. On the east side of the Park is the main road from Richmond to Kew. The Old Deer Park is mainly open pasture. Round the Observatory a golf course has been laid out. Another open area partly wooded, Syon Park, lies to the north-north-east across the river. Richmond Park is about 1½ miles (2½ km). to the south-east. For general views of the Observatory building and the exposure lawn, see Figs. 19 and 20. A site plan showing the arrangement of the various instruments is reproduced in Fig. 18.

METEOROLOGY.

The elements dealt with in the following tables are: atmospheric pressure, temperature, humidity, rainfall, sunshine, solar radiation, wind speed and direction, earth temperature, minimum temperature on the grass, level of underground water, and a diary of cloud and weather.

For brief descriptions of most of the instruments from which values of the above elements have been obtained and of the methods of tabulating the records, reference should be made to the General Introduction (pp. 11–18). The following notes supplement, where necessary, the information contained therein.

KEW OBSERVATORY.

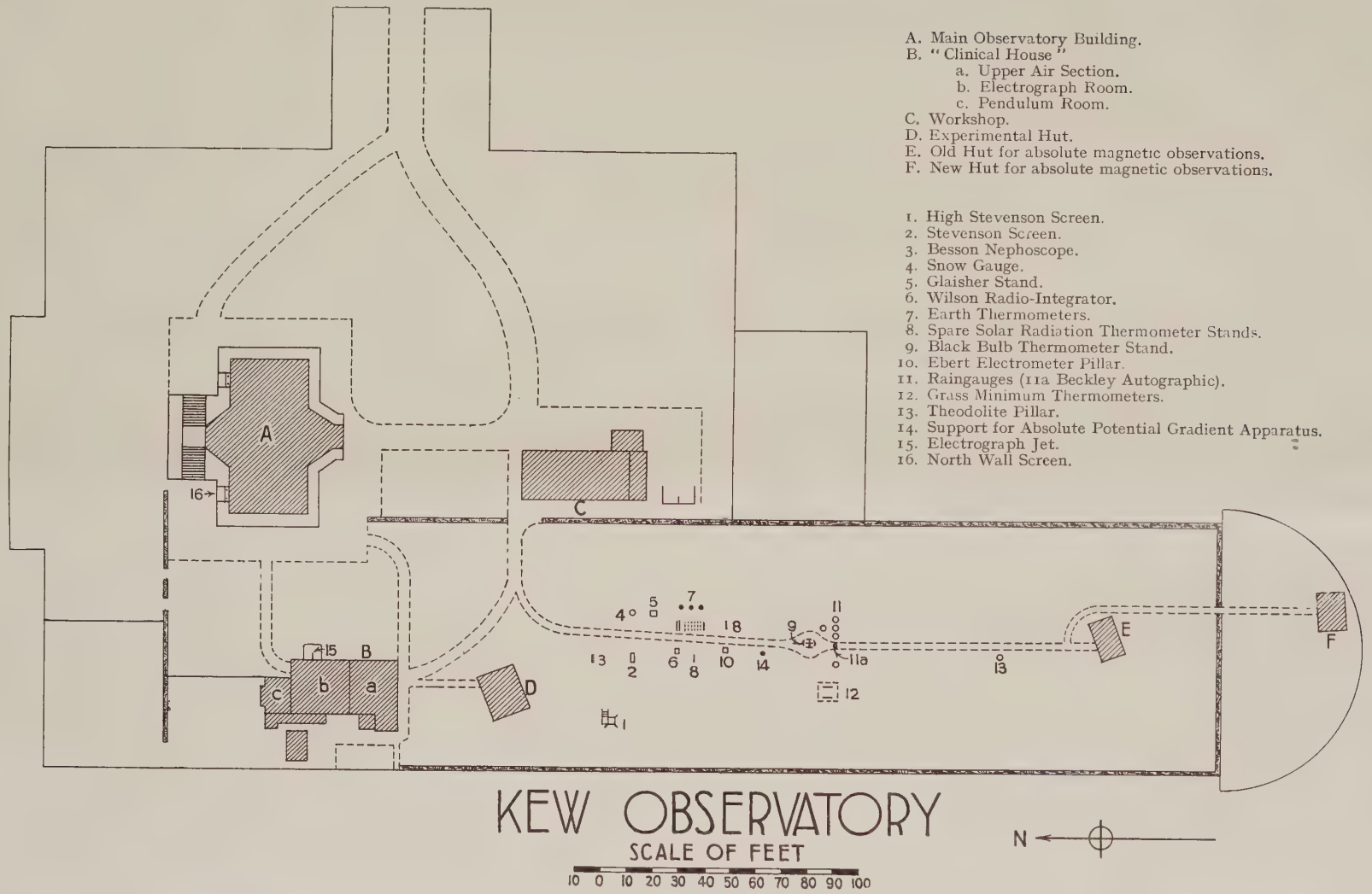
A. Main Observatory Building.
B. "Clinical House"
a. Upper Air Section.
b. Electrograph Room.
c. Pendulum Room.
C. Workshop.
D. Experimental Hut.
E. Old Hut for absolute magnetic observations.
F. New Hut for absolute magnetic observations.
1. High Stevenson Screen.
2. Stevenson Screen.
3. Besson Nephoscope.
4. Snow Gauge.
5. Glaisher Stand.
6. Wilson Radio-Integrator.
7. Earth Thermometers.
8. Spare Solar Radiation Thermometer Stands.
9. Black Bulb Thermometer Stand.
10. Ebert Electrometer Pillar.
11. Raingauges (11a Beckley Autographic).
12. Grass Minimum Thermometers.
13. Theodolite Pillar.
14. Support for Absolute Potential Gradient Apparatus.
15. Electrograph Jet.
16. North Wall Screen.
KEW OBSERVATORY
SCALE OF FEET
10 0 10 20 30 40 50 60 70 80 90 100
N

FIG. 18. SITE PLAN.

[To face page 286.

FIG. 19. GENERAL VIEW SHOWING RAINGAUGES AND EXPERIMENTAL THERMOMETER SCREEN ON THE LAWN.

FIG. 20. VIEW FROM NORTH SHOWING NORTH WALL SCREEN.

To face page 287.]

Notes on Instruments.

Pressure.—The barograph is mounted in the magnetograph room (in the basement of the Observatory) where the diurnal variation of temperature is very small. The barograph magnifies barometric changes in the ratio 1·553 : 1, i.e. the change of ordinate equivalent to a change of 1 mm. in the height of the barometer is 1·553 mm. " Residual corrections," obtained from the control observations taken daily with the standard Newman barometer (No. 34) at 9h, 15h and 21h, are applied to the hourly measurements. The same correction is applied to all the readings on the same photographic sheet, i.e. generally for forty-eight hours. The individual entries published for the hours of the control observations may differ by ·2 mb. from those observations. The Newman barometer is compared from time to time with the two large mercury barometers, which were set up in 1855 and 1860 and are still regarded as standards. A zero correction is based on these comparisons. A comparison, made in 1923, confirmed the correction +0·2 mb. (+·006 mercury inch) which has been applied for many years. Comparisons are made on the assumption that the value of the acceleration due to gravity is $g=981\cdot199$ cm./sec^2. This is the value given by pendulum observations. The departure from the value given for the latitude by Helmert's formula is insignificant. On a few occasions when a loss of trace occurred, the missing hourly values were derived from the Dines Float Barograph. (A description of this instrument appears on p. 94.) There were twenty-eight hours in the year for which this was necessary.

Temperature and Humidity.—The thermograph is mounted in the West Room on the first floor of the Observatory. The thermometers are exposed in the screen attached to the north wall of the Observatory main building. This screen has single louvres and the bottom is open. There is an additional flat louvred screen which shields the main screen from direct sunshine when the sun is in the West and not too low. The height of the bottom of the bulbs of the recording thermometers above the bottom of the sides of the screen containing them is 30 cm. in summer, 33 cm. in winter. The height of the bulbs above the top of the artificial mound on which the Observatory stands is approximately 3 metres; the height above the lawn where the raingauge is situated is approximately 5 metres. The scale values of the photographic records are not identical for the dry and wet-bulb curves. For the dry-bulb, tube No. 4 was in use and the scale value was 1 mm.=0·2715a; for the wet-bulb the old Falmouth wet-bulb tube (no number) was in use and the scale value was 1 mm. = 0·290a.

The control thermometers (dry 173971, wet 173969) which were graduated and mounted by Messrs. Negretti & Zambra in 1915 had been made and filled many years before and were therefore well seasoned. The National Physical Laboratory certificates dated 1915 give corrections to the nearest 0·05° C., the largest being 0·°10. The thermometers are tested each January in ice. According to tests made in January 1923, there was no indication of any change of zero.

Control eye-readings of the standard thermometers are taken daily at 9h., 15h. and 21h. Residual corrections obtained from the control observations are applied to the hourly measurements of the curves. The same correction is applied to all the readings on the same photographic sheet, i.e. generally for forty-eight hours. The individual entries published for the hours of the control observations may differ by 0·3a from these observations. The larger departures refer to occasions when temperature is oscillating or changing rapidly.

When failure of the dry-bulb trace occurs recourse is had to the trace from the Callendar platinum-thermometer recorder, the thermometer of which is in the North-wall screen and adjacent to the mercury thermometers. Twenty-six hours had to be thus dealt with during the year. When the wet-bulb trace is missing or defective, the missing values are derived from the dry-bulb trace and the records of a hair hygrograph. The same procedure is always adopted when the wet-bulb reading is below 273a. 179 hours had thus to be dealt with during the year. The loss was

principally due to doubtful behaviour of the wet-bulb thermometer at temperatures near the freezing point of water. Humidity is determined from the dry and wet bulb readings by the table, based on Glaisher's factors, published in the *Computer's Handbook*.

It may be noted that during 1923, as in previous years, the temperatures published for Kew Observatory in the Daily Weather Report and elsewhere also refer to the North-wall screen. For the daily and weekly reports the readings of maximum and minimum thermometers exposed in that screen are utilised.

Rainfall.—As from January 1921, the standard raingauge for the Observatory has been an 8-inch gauge with the deep "Snowdon" funnel (M.O. 1271). The site is level and protected from wind, principally by hedges about 1½m. high and distant 11 metres to East and 17 metres to West. The readings of this standard gauge are at 7h. and 18h. The hourly readings of the Beckley gauge are adjusted to give totals in agreement with the standard gauge.

Sunshine.—The sunshine recorder is mounted on the south parapet of the roof. The same frame (M.O. 12) has been in use since 1880 and it is believed that the ball has not been changed. The ball is now somewhat yellow.

Solar Radiation.—Observations are made with an Ångström pyrheliometer, which measures the intensity of the direct radiation received from the sun by a surface which is normal to the sun's rays. The observations are made within half an hour of noon on all days except Sundays, provided that the sun is visible and not too much obscured by cloud, fog or thick haze. The conditions of the intervening atmosphere are indicated in Tables 440–451 in the column "sky." The amount of radiation is given in milliwatts per square centimetre in the column headed "total." For conversion to the unit more ordinarily employed abroad, the following relation may be used, 1mw. per sq. cm. = 0·01435 gramme-calorie per sq. cm. per minute. The vertical component, i.e. the direct radiation received per square centimetre of a horizontal surface, is also given.

The Ångström instruments in use are by Rose, Stockholm. No. 100 was in use from January to April and from October to December; No. 24 from March to September. The ammeter is No. 68956, which was certified at the National Physical Laboratory in 1919. The black strips of Instrument No. 100 were renewed in September 1923. The readings are evaluated according to Ångström's original instructions. To bring the readings into accordance with the scale adopted by the Smithsonian Institution, a correction of 3·5 per cent. is required.*

Wind Speed and Direction.—The Robinson Cup Anemograph from which the results are mainly derived is exposed on the roof of the Observatory (see Fig. 19). This instrument has 9 inch cups; the radius of the circle described by their centres is 24 inches. The horizontal arms are 17·8 mm. wide; their vertical thickness is 4·6 mm. in the middle and 2·5 mm. at the edges. The oblique stays are rectangular in section, the dimensions being 6·3 mm. (facing the wind) and 3·8 mm. (facing upwards). The height of the cups above the lawn is 20 m. There are trees in the neighbourhood reaching greater heights. Those along the river to the West of the Observatory and about 280 m. away average 25 m.

Wind direction is taken from the Beckley vane. Direction is not tabulated when the speed of the wind averages less than 1·6 metres per second. Data missing owing to imperfections of the trace or other causes are replaced by results from the Dines tube anemograph, the head of which is approximately at the same height as the Robinson anemograph cups. The head of the new Dines instrument, set up at the beginning of the year, is of the Mark II pattern, No. 1017. In the vertical tube there are 80 holes in 4 rows of 20. The diameter of each hole is 3 mm. The connecting tubes, 17 metres long, have the internal diameter 12 mm. The recorder is M.O. 1017.†

* R. E. Watson. *Geophysical Memoir*, No. 21, 1923.

† See p. 293.

Earth Temperature.—The thermometers in use were M.O. 5 at 30 cm. and M.O. 10 at 122 cm. The ground in which the tubes for the thermometers are sunk is under grass. The soil is gravel. The site is well exposed. There are, however, three fruit trees about 9 metres to the east and 6 metres high. The bulb of the lower thermometer is 430 cm. above sea level. As will be seen from Table 468, the surface of the underground water did not reach this level during the year, the limit being 319 cm. above sea level in March.

Minimum Temperature on the Grass.—The grass minimum thermometer is set at 18h and read at 9h on the succeeding day, the reading being assigned to the day of reading. The "grass minimum" thermometer in use was M.O. 9.

This thermometer has a spherical bulb, diameter 17 mm. The thermometer is placed with the bulb about 25 mm. above the turf. The exposure is good, there being no obstruction within 76° from the zenith.

Notes on the Meteorological Tables.

Pressure.—The highest and lowest of the mean daily values throughout 1923 were 1037·1 mb. on January 25th and 980·2 mb. on February 27th. The mean pressure for February, 1001·83 mb., was abnormally low, and was nearly 20 mb. lower than the mean pressure for January, which was the month of highest mean pressure. Only one of the last 11 days of February had a mean pressure exceeding 1000 mb. The range in the mean monthly diurnal inequalities in Table 395 varies somewhat irregularly from month to month, the largest range 1·64 mb. in October being more than double the lowest 0·70 mb. in June. As usual, the type of the diurnal variation differs widely in different months, but a double oscillation is easily recognisable in all months except August. The principal maximum appears in the forenoon in 7 months, but in the afternoon in 5, and in the year as a whole the maxima at 10h and 22h are equal. The principal minimum appears at 16h in the diurnal inequality for the year, and it occurs in the afternoon, between 14h and 18h, in all months except December, when it occurs at 6h. The differences between the different months and seasons are most clearly brought out by considering the Fourier coefficients calculated from the diurnal inequalities. The inequality is supposed to be given by the equivalent expressions—

$$a_1 \cos 15t^\circ + b_1 \sin 15t^\circ + a_2 \cos 30t^\circ + b_2 \sin 30t^\circ + \ldots$$

$$c_1 \sin (15t^\circ + \alpha_1) + c_2 \sin (30t^\circ + \alpha_2) + \ldots$$

t being the time elapsed in hours since the first midnight of the day. The curves having being tabulated according to Greenwich time, the values of the Fourier coefficients, as originally calculated, referred to Greenwich time. In Table A, however, the phase angles really refer to local mean time, allowance having been made for the difference between Greenwich and local time. It has not been thought necessary to record here the values of the a and b coefficients, which remain available at the observatory for future use. In addition to the monthly values, of the c and α coefficients, there are values for the year as a whole, and for three seasons each of 4 months. Winter comprises January, February, November, December; summer the months May to August; and equinox the remaining 4 months. Arithmetic means are also given of the 12 monthly values of the c coefficients. In cases such as that of the 12-hour wave, where the variation in the phase angle throughout the year is small, the result from the mean diurnal inequality for the year gives an adequate idea of the real importance of the term. But when the variations of phase are as great as in the case of the 24- and 8-hour waves, the contributions from the different months to the mean diurnal inequality for the year cancel out to such an extent that a very inadequate idea is conveyed. If we formed arithmetic mean values of c_1 from the months composing the three seasons, the mean for equinox would be the largest, and the mean for winter would be 90 per cent. of that for summer. The summer value of c_1 owes its prominence merely to a less variability of phase angle. Great as the variability of phase is in the months of the other seasons, it is much less than it was in 1922. The winter value of c_1 is thrice, and the equinoctial value four times the corresponding value for 1922.

While the 12-hour term phase angle α_2 is much less variable than α_1, it has a recognisable seasonal variation. As usual, the summer value is the lowest. The winter value of α_2 is unusually high. This is due to the high values of α_2 in November and January, and to the low value of c_2 in February. The equinoctial value of c_2 is a good deal higher than in 1922, but the winter value is lower, and the mean value for the whole year is but little higher than in 1922.

The phase angle α_3 has, as usual, a large comparatively regular annual variation. It is the transition during April and September, between the high values of α_3 in winter and the low values in summer that leads to the very low values of c_3 in these two months and in the equinoctial season. The value of c_3 in the mean diurnal inequality for the year is three times as large as in 1922, but it still gives a very inadequate idea of the real importance of the 8-hour term.

The variations of α_4 are large and of a less regular character than those of α_3, and they must be regarded as to a considerable extent accidental. The values of c_4 and α_4 for the equinoctial and summer seasons are fairly similar to those of 1922. But the winter value of c_4 is twice as big in 1923 as in 1922, and the summer value of α_4 in 1923 is larger by 120° than that of 1922. The latter fact is not very surprising in view of the cancelling out that occurs between the contributions from the different seasons to the yearly value of c_4.

Table 396 records the highest and the lowest pressure for each day of the year. The highest pressure of the year, 1038·4 mb., was recorded on January 25th, and the lowest pressure, 976·1 mb., on February 22nd. Thus the range for the year was 62·3 mb. The largest range of pressure experienced in any one month was 45·8 mb. in October, the mean of the 12 monthly ranges being 37·6 mb. The mean daily range for each month is deducible from the values of the mean maximum and the mean minimum in the last line of Table 396. These mean daily ranges vary from 10·89 mb. in December to 4·31 mb. in July. Allowing equal weight to the several months, the daily mean range for the year is 7·28 mb. This is fully 9 times the range of the regular diurnal inequality for the year given in Table 395. This helps to bring out the smallness of the regular changes of barometric pressure as compared with the irregular.

TABLE A.

Diurnal Variation of Barometric Pressure. Fourier Coefficients.

Richmond (Kew Observatory), Longitude 0° 19′ W.

Month or Season.	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
	mb.	° ′	mb.	°	mb.	°	mb.	°
January	·168	25 49	·287	165·4	·165	344	·069	222
February	·287	93 9	·178	149·9	·075	330	·024	64
March	·247	319 44	·385	152·9	·079	328	·040	11
April	·298	43 49	·393	152·6	·016	153	·051	332
May	·179	57 49	·315	145·3	·084	165	·030	335
June	·076	320 7	·303	135·0	·070	162	·013	50
July	·417	357 39	·326	138·7	·122	152	·005	177
August	·573	359 49	·278	144·5	·204	111	·050	300
September	·065	352 40	·473	153·6	·019	219	·060	358
October	·653	112 15	·384	151·9	·143	352	·021	176
November	·201	81 51	·393	166·6	·180	360	·022	221
December	·422	173 9	·277	153·8	·240	349	·069	164
Arithmetic Mean ..	·299	..	·333	..	·116	..	·038	..
Year	·145	50 19	·329	151·3	·042	11	·008	124
Winter..	·165	112 41	·282	160·5	·163	348	·032	189
Equinox	·170	71 6	·409	152·8	·048	340	·031	352
Summer	·287	4 12	·305	140·8	·110	138	·018	321

Note.—*Winter* comprises the four months, January, February, November, December.
Equinox the months March, April, September, October, and *Summer* May to August.

Temperature.—The highest and lowest of the mean daily values throughout the year were 299·3a (79°·3 F.) on July 12th, and 270·3a (27°·1 F.) on November 26th. The mean temperature of the representative day of the year was 283·01a (50°·0 F.).

Fourier coefficients were calculated from the inequality data, as in the case of barometric pressure. The amplitudes and phase angles are given in Table B. The small variation in the 24-hour term phase angle is emphasised by the smallness of the excess of the arithmetic mean value of c_1 over the value from the mean diurnal inequality for the year. The 24-hour term is the dominant one, especially in summer. Absolutely considered, the 12-hour term has its largest value in March, and the winter value is only very slightly in excess of the equinoctial. But relative to the 24-hour term, the 12-hour term is much more important in winter than in the other seasons. The annual variation in α_2 is considerably more marked than that in α_1. The summer and winter 8-hour waves are nearly opposite in phase, and the arithmetic mean value of c_3 is more than double the value obtained for c_3 from the mean diurnal inequality for the year. The excess of the arithmetic mean value is even more pronounced in the case of c_4. The differences, however, between the values of α_4 for the four equinoctial months are small, with the result that the equinoctial value of c_4 exceeds that of c_3. In the case of individual months c_3 is usually considerably larger than c_4, its excess being especially conspicuous in summer.

The highest temperature of the year, 305·3a (90°·1 F.), was recorded on July 12th, and the lowest temperature, 267·8a (22°·6 F.), on November 8th. The range of temperature for the year was thus 37·5a (67°·5 F.). The largest range of temperature in any one month was 27·0a (48°·6 F.) in April, the mean of the twelve monthly ranges being 20·0a (36°·0 F.).

The mean daily range for each month is deducible from the values of the mean maximum and the mean minimum. These mean daily ranges vary from 10·0a in July to 5·3a in February. Allowing equal weight to the several months, the mean daily range for the year is 7·57a (13°·6 F.). This is only 46 per cent. larger than the range in the mean diurnal inequality for the year.

TABLE B.

Diurnal Variation of Temperature. Fourier Coefficients.

Richmond (Kew Observatory), Longitude 0° 19′ W.

Month or Season.	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
	a.	° ′	a.	°	a.	°	a.	°
January	1·564	220 18	·545	36·6	·153	222	·023	69
February	1·336	222 46	·628	32·3	·052	249	·111	161
March	2·331	220 44	·703	38·5	·065	313	·067	194
April	2·877	226 22	·419	50·0	·093	39	·058	214
May	3·192	224 1	·066	44·3	·270	28	·031	75
June	2·927	224 15	·097	145·3	·187	46	·072	343
July	4·024	222 58	·115	80·1	·315	30	·088	34
August	4·005	222 55	·198	76·0	·432	21	·043	336
September	3·785	224 40	·620	45·6	·233	29	·167	206
October	1·884	238 5	·585	60·2	·121	296	·129	184
November	1·665	219 35	·663	32·9	·171	228	·035	258
December	1·107	228 21	·518	32·6	·175	192	·040	11
Arithmetic Mean ..	2·958	..	0·430	..	0·189	..	0·072	..
Year	2·552	224 20	·405	44·6	·086	15	·023	192
Winter	1·416	222 15	·588	33·5	·130	217	·018	154
Equinox	2·706	226 35	·576	47·9	·096	15	·103	199
Summer	3·537	223 27	·102	85·0	·297	29	·049	12

Note.—*Winter* comprises the four months January, February, November, December.
Equinox the months March, April, September, October, and *Summer* May to August.

Relative Humidity.—The highest mean daily value of relative humidity was 96·7, a value experienced on January 17th and on November 1st and 25th, and the lowest 56·5 on July 7th. The highest mean daily value of aqueous vapour pressure was 21·6 mb. on July 11th, and the lowest 4·4 mb. on December 20th.

In the diurnal inequalities of relative humidity for the year as a whole, and for most of the individual months, only a single oscillation is visible in the 24 hours, the maximum occurring in the forenoon and the minimum in the early afternoon, but in a few months there seems to be a trace of a secondary minimum in the morning.

Rainfall.—As the irregularity of the figures in Table 412 shows, there is much that must be regarded as accidental in the hourly figures, even for a whole year. The greatest total hourly rainfall, 39·6 mm., occurred between 23h and 24h, but of this 23·5 mm., or 59 per cent., fell on a single day (July 9th), during an intense thunderstorm. In this one hour there fell nearly four times the total rainfall of the month of June. The total amount for the year, 638·2 mm. (25·1 in.), differs little from the normal. October, with a total of 135·4 mm. (5·33 in.), was much the wettest month of the year, and June, with a total of 6·4 mm., (0·25 in.) was much the dryest. The greatest rainfall in any one (Greenwich) day was 29·7 mm. (1·17 in.) on July 10th. But 28·7 mm. fell on the last two hours of July 9th, and during the night July 9th–10th there was a continuous fall of 52·1 mm. (2·05 in.). [This was the great storm which kept London awake all night. At Chelsea Mr. Spencer Russell registered nearly 7,000 lightning flashes in six hours.] Other large daily totals were 23·5 mm. on October 3rd, 21·6 mm. on October 12th, and 19·7 mm. on March 13th. There were 505·0 hours of rainfall in the year, so that the average rate of fall, when rain occurred, was 1·26 mm. per hour. This is very sensibly higher than the rate for 1922. The excess is to be ascribed to the high average rate of fall for July, viz., 3·25 mm. per hour. The average rate of fall for October, 1·79 mm. per hour is also high. On the other hand, the average rate of fall for June was only 0·75 mm. per hour. In February, there were only five days on which no rain was recorded, and in October, only seven. In June, though the total fall was so small, rain was recorded on nine days, or only one day less than in August, which had six times as large a total fall. August 2nd to August 14th (13 days) was free from rain, and so were the 12 days, June 27th to July 8th.

"Snow Lying" was registered at 7 h. on four mornings in December, the 20th, 21st, 22nd, and 27th. On December 22nd, after a prolonged fall of snow which had lasted from 11 h. 15 m. to 22 h. 30 m. on the preceding day, the depth was about an inch. No deeper deposit was recorded during the year.

Sunshine.—August, with a total of 247·0 hours of sunshine, 55 per cent. of the possible, was the sunniest month of the year; while December, with a total of 35·5 hours, 15 per cent. of the possible, was the least sunny. The longest duration of sunshine on any one day was 14·3 hours on June 23rd. The next longest duration, 14·1 hours, occurred on July 11th. On this occasion sunshine was continuous from 7h to 19h, and the same was true of July 13th. On the intermediate day, July 12th, sunshine was continuous from 6h to 18h. These three successive days between them had 40·3 hours of sunshine. Several days had a higher percentage of possible sunshine than June 23rd, the outstanding occasion being August 30th, with a percentage of 91. In the year as a whole there were 70 days in which no sunshine was recorded. Of these, 13 occurred in December, and 11 in each of the two months January and March. In July there was no single day wholly devoid of sunshine, and there were only two sunless days in each of the three months May, August and September.

Solar Radiation.—The highest value of the total radiation was 98·9 mw/cm.^{2} on March 26th, the highest value of the vertical component being 73 mw/cm.^{2} on May 16th.

Wind Speed and Direction.—February 27th, with an average speed of 9·3 metres per second, was the most windy day of the year, November 13th, with an average speed of 9·2 metres per second, being very little behind. At the other end of the scale, January 17th was credited with an average speed of only 0·1 metre per second. No sensible wind was recorded between 8h on the 17th and 4h on the 18th. The next lowest average daily speed was 0·6 metres per second on March 22nd and on November 26th. At low speeds, however, the effects of friction in the Robinson Anemograph are apt to be large and uncertain. The mean hourly speeds varied from 4·19 metres per second in February to 2·94 metres per second in September, the mean of the 12 monthly means being 3·44 metres per second.

On the average of the twelve months, the mean hourly values were as follows, the highest and lowest values being in heavy type :—

Hour ..	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	
Velocity..	2·80	2·66	2·69	**2·64**	2·77	2·74	3·13	3·27	3·67	4·07	4·44	4·37	m/s
Hour ..	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	
Velocity..	**4·63**	4·41	4·46	4·02	3·97	3·52	3·37	3·07	3·19	2·95	2·95	2·68	m/s

For the twelve hours ending with 18h the mean velocity was 4·00 metres per second, as against 2·88 metres per second for the remaining twelve hours.

A new Dines anemograph was brought into use at the end of February. This instrument is provided with a larger vane and with a twin-lever direction recorder. The agreement between the Dines records and those of the Robinson anemograph was not so satisfactory as hitherto. A reason for this discrepancy, a defective joint in one of the connecting tubes, was found in May 1924. To allow for this, the estimates of wind speed given by the Dines instrument during 1923 have now been increased by 10 per cent. The "highest gust" of Table 465 refers to the amended figures. The other columns of the Table are, *for this year*, derived from the Robinson records.

It is to be noted that the corresponding tables in the Weekly and Monthly Weather Reports, 1923, require similar amendment.

Earth Temperature.—In examining the results it should be borne in mind that there is a very sensible diurnal variation of temperature at 30 cm. depth, the amplitude varying with the season ; and, moreover, the mean value for the day does not occur at 9h, the hour when the earth thermometers are read. This is no doubt partly accountable for the irregular variation in the difference between corresponding monthly mean values of the air temperature and the temperature at 30cm. depth. The algebraic excess of the temperature at 30 cm. depth over the air temperature varies only from +1·4a in November to −1·7a in January. The diurnal variation of temperature at 122 cm. depth is very small, and the differences between the mean monthly temperatures at that depth and the corresponding air temperatures show a fairly regular progression throughout the year. The algebraic excess of the temperature at 122 cm. depth over the air temperature varies from + 5·7a in November to −4·8a in July. The underground temperature is the higher in January and February, and from September to December. In March the two monthly means were identical, and in April very nearly so. In the year as a whole the underground temperature was the higher by 0·2a. At 30 cm. depth the highest and lowest temperatures recorded during the year were 294·5a on July 13th and 275·1a on December 5th. At 122 cm. depth the highest and lowest temperatures were 288·8a on August 15th and 16th and 278·9a on January 26th, 27th and 29th. The absolute range for the year thus reduces from 37·5a (67°·5 F.) in the screen to 19·4a (34°·9 F.) at 30 cm. depth, and to 9·9a (17°·8 F.) at 122 cm. depth.

Grass Minimum Temperature.—The mean of the monthly means is 276·24a (37°·8 F.). The monthly mean fell below the freezing point of water in January, November and December, being only 271·1a in November. In the latter month the grass minimum temperature was below the freezing point of water on no less than 21 days, including the 22nd to the 30th inclusive. The highest mean monthly value, that for July, exceeds the lowest by only 12·9a (23°·2 F.). The grass minimum temperature did not fall to the freezing temperature of water between June 19th and August 30th, but July was the only month with no occurrence of so low a temperature.

Level of Underground Water.—Table 468 gives the mean daily value of the level of underground water and the highest and lowest levels attained during each month. The heights are reckoned from mean sea level. The level actually measured is that of the surface of water in a pipe which passes down through the floor of the basement into the ground immediately under the Observatory. The water level depends partly on the local rainfall, but mostly on the water level in the river Thames. The river close to the Observatory is tidal. The sluices at Richmond Lock, 800 metres south of the Observatory, are drawn up at half-tide and the flow of the tide is then unobstructed up to Teddington. The height of the river depends partly on the rainfall throughout the whole Thames Valley, and partly on the tides. A fortnightly fluctuation owing to the latter cause is sometimes recognisable in the records of the level of underground water.*

The general tendency in water level was upwards until the maximum 319 cm. was attained in March, then downwards to the minimum 173 cm. in September, and then again upwards. The level on December 31st was higher by 49 cm. than it was on January 1st, and the mean level for the year, 229 cm., was 31 cm. above the mean for 1922. In August, however, the mean level was identical with that of 1922, and the mean levels for September and October were slightly lower than in 1922. The position towards the end of the year was presumably largely due to the heavy rainfall of October.

Diary of Cloud and Weather.—As explained in the footnotes, observations are lacking at 15h on Sundays and a few other days. The last line in each monthly table gives the mean amount of cloud for each of the six hours of observation. The following mean data are derived from these :—

Mean Amount of Cloud from Six Observation Hours.

Month	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Cloud..	6·8	7·8	8·0	7·3	7·4	8·1	5·9	5·6	5·8	7·3	6·5	7·3	7·0

Mean Amount of Cloud for the Year at the Six Observation Hours.

Hour ..	7h	9h	13h	15h	18h	21h
Cloud..	6·9	7·4	7·7	7·5	6·7	5·8

We see that June, though it had much the lowest rainfall, was the cloudiest month of the year, being closely followed by March. The least cloudy month was August, which had also the highest percentage of possible bright sunshine. August was closely followed by September and July. For the year as a whole 13h was a slightly more cloudy hour than 15h or 9h.

* Graphs showing the fluctuations of water level during the years 1914 to 1921 were published in the Annual Supplements to the *Geophysical Journal.*

The use of the symbols ≡ and ∞ in the weather columns of Tables 469–480 is governed as far as daylight observations are concerned by the following conventions which are in accordance with the general practice adopted by the Meteorological Office.*

If the Orange Tree Inn, 1,000 metres S.E. of the Observatory cannot be seen there is fog ≡. If trees 200 metres away cannot be seen, there is thick fog $\equiv^2$.

If the Orange Tree Inn can be seen but not the chimneys of the Electric Power Station at Chelsea, 10 kilometres away, there is either mist $\equiv^0$ or haze ∞, the distinction being made according to the relative humidity at the Observatory. On occasions when the humidity is 80 per cent. or above, the obscurity is attributed to mist; when the humidity is below that limit to haze.

The symbols are used at night to indicate as nearly as may be the same degrees of atmospheric obscurity.

ATMOSPHERIC ELECTRICITY.

The instruments in use throughout the year in connection with atmospheric electricity have been the Kelvin water-dropper and the Benndorf radium collector electrographs, the Kelvin portable electrometer No. 80, the electrostatic voltmeters Nos. 1684 and 1685, a Wilson universal electrometer No. 7960, and two Ebert aspiration instruments, Nos. 3327 and 2965.

The portable electrometer and the electrostatic voltmeters are used for converting the electrogram readings into true potential gradient in the open. The apparatus for the absolute observations consists essentially of a long insulated rod, carrying a lighted fuse at the end, connected to the electrometer or voltmeter. Readings are taken with the fuse at one metre and at two metres above the ground, the grass on which is kept short. The site is in the Observatory garden, as remote as possible from trees or buildings. If no change occurred in the position or environment of the water-dropper—the instrument the curves from which are regularly tabulated—a constant ratio might persist between the potential at the spot where the jet breaks into drops and the corresponding potential observed with the absolute instruments. But the assumption of a constant ratio is unsafe, and the practice is to calculate for each month a factor based on the absolute observations which are taken in the garden on all convenient dry days. Such factors are given in Table 482.

The data appearing in Table 481 include for each month the electrical character figure assigned from consideration of the potential gradient curve for each day. Of the character figures, 0 simply denotes the absence of negative potential, 1 implies the existence of negative potential at one or at more times during the day, but with a total duration of less than 3 hours, while 2 implies the existence of negative potential with a total duration exceeding 3 hours. There are few days on which the potential gradient curves do not show numerous short period oscillations, superposed on the regular diurnal variation. In fact the absence of such oscillations can usually be accepted as evidence of imperfect insulation in the electrograph. Thus character 0 does not connote the absence of irregular oscillations, as it does in the case of magnetic curves. Still it is unusual on days free from negative potential to have the large rapid oscillations which usually accompany negative potential. The duration of negative potential and the amplitudes of the extreme negative voltages are much greater on some days of character 2 than others; and even in the case of character 1 the duration of negative potential may be anything from 1 or 2 minutes to 3 hours. Thus these numerals, and still more the monthly means of the character figures, have no precise physical significance. At the same time, the monthly mean character figure gives a fairly satisfactory idea of the greater or less prevalence of negative potential throughout the month. According to this criterion, February

* The convention as to mist and haze was altered in April 1925.

showed considerably more negative potential than any other month. It contained 9 days of character 2, and only 7 of character 0. In calculating the diurnal inequality for this month use was made of several 24-hour periods which were not Greenwich days. At the other end of the scale was June, with a mean character figure of 0·30, there being 21 days free from negative potential. Taking the year as a whole there were 180 days, or 49 per cent., free from negative potential, while 152 were of character 1, and 33 of character 2. The mean character figure for the year, 0·60, is identical with that for 1922, and the numbers of days of characters 0, 1 and 2 in the two years are nearly identical.

Table 482 gives daily data derived from measurements of the electrograms taken with a mean value scale as in late years. They represent means for 60-minute intervals centered at the exact hours 3h, 9h, 15h, and 21h G.M.T. Blanks indicate that the trace was in some way defective. On some occasions the curve, though existent, is so oscillatory that no satisfactory estimate is possible of the mean value of the ordinate. Such occasions are indicated by the letter z. If there is no doubt as to the sign of the hourly mean value, though a numerical measure is unobtainable, the sign is indicated by a + or a − attached to the z. The symbol z ± indicates that there were oscillations on both sides of the zero line, and that the sign of the mean value was uncertain. Occasionally a gap in the record from the Kelvin electrograph can be filled by reference to the corresponding Benndorf trace, but such occasions are rare.

The extreme hourly mean values in Table 482 are + 1545 v/m at 9h on November 8th, and − 995 v/m at 9h on February 21st. But much higher instantaneous values were recorded, and possibly even higher mean hourly values might have been obtained from the occasions when the trace was too oscillatory to be measured.

Of the two sets of mean monthly values at 3h, 9h, 15h and 21h given in Table 482 at the foot of each month's data, the first set (*a*) represents the arithmetic means of all the positive potentials in the column, the second set (*b*) represents the algebraic mean derived from all days on which all four hours were represented. The last line gives the mean value for each month as derived from the (*a*) and the (*b*) values, respectively.

For reasons explained in last year's Year Book, it is believed that the values (*a*) may be expected to give very approximately the true monthly mean from all days when negative potentials are excluded, while the values (*b*) may be expected to give very approximately the true monthly mean when negative potentials are included. But a reservation is necessary in both cases, for the highly oscillatory occasions such as are met with during thunderstorms have been omitted, and this omission may have a sensible effect.

If the monthly means in Tables 482 and 483 be compared, it will be found that the quiet day mean is the highest in nine months out of the twelve. In some of the nine months, especially April and March, its excess over the mean (*a*)—which always exceeds the mean (*b*)—is considerable ; in others of the months, including February, September and November, the excess is trifling. In one of the remaining three months, December, the quiet day mean and mean (*a*) are identical. In the other two months, June and August, mean (*a*) is slightly the larger. For the year as a whole, allowing equal weight to the 12 months, the quiet day mean, the mean (*a*), and the mean (*b*) are respectively 318 v/m, 296 v/m, and 276 v/m. The corresponding results for 1922 were respectively 318 v/m, 293 v/m, and 271 v/m, so that here again there is extraordinarily close agreement between the electrical results for the two years.

The diurnal inequalities and the mean monthly and annual values in Table 483 are based on the curves of quiet days selected from those entirely free from negative potential. Other objects aimed at in the selection of the days are freedom from large irregular movements, absence of indications of inferior insulation in the electrograph, and the avoidance, so far as possible, of large non-cyclic changes. The quiet days numbered 10 in each month ; but to complete that number in February it was necessary to include several 24-hour periods which did not commence at midnight.

Except in this case the non-cyclic change is given explicitly in Table 483, so that anyone who may desire to reproduce the figures as they were before the non-cyclic correction was applied can easily do so. In calculating the table the non-cyclic correction was invariably applied in the usual way. As already remarked, the mean values of the potential gradient from the selected quiet days are identical for 1923 and 1922, and there is even a close approach to equality between corresponding seasonal values. But the differences between corresponding individual months were mostly substantial and sometimes large. In December the 1923 mean was the larger by 80 v/m; in October and February it exhibited deficiencies of 81 v/m and 80 v/m. Thus the exact agreement of the two yearly means must be regarded as largely accidental.

All the seasonal diurnal inequalities show a well marked double oscillation. This is also conspicuous in the diurnal inequalities of most of the individual months, and is recognisable in all. In summer the morning and afternoon minima are equal. The principal minimum occurs in the early morning in all the other seasons, and in every single month except July, August and September, when it occurs in the early afternoon. The principal maximum occurs in the forenoon except in the months of March, April and October, and the equinoctial season, when it occurs in the evening. In September the forenoon and afternoon maxima are equal. The phenomena show a substantial difference from those of the previous year, when the principal maximum appeared in the afternoon in 7 individual months and even in the year as a whole. If the inequalities for the year and the seasons are compared with the corresponding inequalities for atmospheric pollution given in Table 485, a remarkably close similarity will be noticed in the hours of occurrence of the principal maximum and minimum. There are, however, substantial differences of detail. The relative prominence of the forenoon minimum in summer, and of the forenoon maximum in the equinoctial season, is much greater in the case of atmospheric pollution than in the case of potential gradient.

Air-earth Current at 15h (Table 481).

To determine the current flowing from air to earth, the conductivity of the atmosphere at one metre above the ground is measured by means of the Wilson universal electrometer.* For calculating the conductivity at 15h, four observations, each giving the leakage from a charged plate in 5 minutes, are averaged. The product of the conductivity so determined and the potential gradient at 15h (as given in Table 482) is taken as the measure of the air-earth current. The conductivity is not observed during rain nor when the potential gradient is negative. Data are available for about half the days of the year 1923.

The conditions under which the air-earth current is measured are maintained as uniform as possible, but they differ from the conditions under which the vertical current passes from the air to the earth in the absence of the apparatus. The presumption is that the results obtained would require to be multiplied by a factor to represent the true air-earth current. The monthly mean of the observed values of the current varied from 1·07 in September to 0·52 in December in terms of the unit 1×10^{-16} ampère per square centimetre. Allowing equal weight to each month, the mean for the year in terms of the above unit is 0·77. Here again, there is very little difference from the corresponding value 0·74 found for 1922.

Ionic Charges at 15h (Table 481).

Table 467 also gives the volume-charges carried by such positive and negative ions (including all of the more mobile type) as are caught by the Ebert apparatus.† The observations extend over some 20 minutes near 15h, being simultaneous with the experiments with the Wilson electrometer.

* Proceedings of the Cambridge Philosophical Society. Vol. 13, p. 184 (1906).
† Physikalische Zeitschrift, Vol. 8, No. 8, p. 246 (1907).

Normally, two Ebert instruments are in use, one charged positively, the other negatively, the signs alternating from day to day.

During the first nine months of the year, the days when electric charge measurements were made only for ions of one sign were very few, and it was deemed best to derive the monthly means only from those days when ions of both signs were measured. But in the last three months the behaviour of only one of the two Ebert instruments was reliable. The charge given to it was + and − on alternate days. The result was that for a good many days there was a satisfactory result only for the charge of one sign, and to have omitted all these days would have reduced too much the number of days available. It was decided accordingly to utilise all the observations of the last three months in the monthly means. In terms of the unit 1×10^{-16} coulomb per cubic centimetre, the mean monthly values of the positive charges varied from 0·83 in August to 0·34 in December; those of the negative charges varied from 0·70 in August to 0·23 in October. For the year, allowing equal weight to the several months, the means are 0·49 for the positive and 0·37 for the negative charges. These values are both a little less than the corresponding values for 1922.

ATMOSPHERIC POLLUTION.

Tables 484 and 485 give results derived from the Owens atmospheric pollution recorder or Air-filter No. 1.* The instrument is situated in the same building as the electrograph, and the level of the air it samples is about 1½ metres above that of the adjacent ground. The weight of the pollution is not obtained directly, but is deduced from shade numbers 0, 1, 2, etc., assigned to the deposit left on filter paper through which a measured volume of air has been drawn. Shade number 1 answers to 0·32 milligrams per cubic metre, according to Mr. J. G. Clark's determinations.†

Table 484 gives mean hourly values derived from all the days of the month for which complete records were obtained. There were 292 such days in the year. The highest and lowest of these hourly values are in heavy type.

Table 485 gives diurnal inequalities derived from the data in Table 484 after the application of non-cyclic corrections. The principal reason for computing the diurnal inequalities was to facilitate comparison with the corresponding diurnal variations in barometric pressure and the potential gradient of atmospheric electricity.

Record was lacking entirely for a few days, and for the greater part of a good many other days, owing to defective behaviour of the apparatus. Of the days of complete record, November 26th was the dirtiest, the mean amount of pollution from the hourly values being 1·3 milligrams per cubic metre. The highest individual measurement on this day, applying to the four successive hours, 15h to 18h, was 2·6 milligrams per cubic metre. A like amount was observed at 10h and 11h on December 5th.

The mean value for the year, 0·305 milligrams per cubic metre, is only about 3/4ths of that for the previous year. Every month of 1923 except June and December showed a decrease as compared with the corresponding month of 1922. The January mean was only half that of the previous January.

The nature of the diurnal variation is most easily recognised in Table 485. A double oscillation is always recognisable, and it is usually well marked; but there is considerable variety in the hours of occurrence of the principal maximum and minimum. In the diurnal inequalities for the year as a whole, for the winter and summer seasons, and for eight individual months, the principal maximum occurs in the forenoon, most commonly at 9h, but at 8h or 7h in the case of three summer months. In the four remaining months and in the equinoctial season the principal

* A description of the instrument is given in the *Report of the Advisory Committee for Atmospheric Pollution*. 4th Report, 1917–1918 (p. 20).

† London, M.O. *Report of the Advisory Committee for Atmospheric Pollution*. 3rd Report, 1916–1917 (p. 20).

maximum occurs in the afternoon. The principal minimum occurs at midnight in July. In every other month and in all the season inequalities it occurs in the early morning, at an earlier hour in summer than in winter.

TERRESTRIAL MAGNETISM.

Absolute observations of declination, dip and horizontal force have been taken usually once a week. The instruments employed have been the Jones unifilar magnetometer with declination magnet K.O.90, collimator magnet K.C.1 and mirror magnet A.N, and the Barrow dip circle No. 33, with $3\frac{1}{2}$-inch needles. In the absolute observations of horizontal force, deflections were made at three distances, 22·5, 30 and 40 cm., and values were calculated for the distribution constants P and Q from all the observations of the year. The values obtained of late years have been as follows :—

Year.	P.	Q.	Mean Value at 22·5, 30 and 40 cm. of $\log_{10}(1+Pr^{-2}+Qr^{-4})$
1919	+1·496	−1525	$\bar{1}$·99958
1920	+0·971	−1280	$\bar{1}$·99950
1921	+0·272	−1054	$\bar{1}$·99930
1922	+1·809	−1642	$\bar{1}$·99966
1923	+2·240	−1787	$\bar{1}$·99977

Values for earlier years will be found in the Report for the year 1920.* It will be seen that numerical increases in P and Q tend to neutralise one another, so that the effect on the value of H (horizontal force) of the fluctuations from year to year in the values of P and Q is less serious than might appear at first sight. A recent investigation tends to show that these fluctuations are more apparent than real, and it was decided—though with some hesitation—to employ mean values for P and Q, derived from the seven years 1917 to 1923. The reason for commencing with 1917 was the fact that an accident calculated to influence the values of P and Q occurred in 1916. The mean value thus obtained for $\log_{10}(1 + Pr^{-2} + Qr^{-4})$ was $\bar{1}$·99955. The difference between this and the mean value for 1922, which had been employed provisionally in the reductions of the absolute observations taken during 1923, represents a reduction of 2γ in the value of H.

The Adie magnetographs have remained in regular operation during the year. The scale value of the declination magnetograph remained as in previous years 1 mm. = 0·87′. Some special observations on the H magnetograph were made in January with a view to judging of the accuracy of the setting of the magnet. The theoretical position of that magnet is perpendicular to the magnetic meridian. In practice it is obvious that this ideal is seldom attained. The magnetic meridian is not a fixed but a varying direction ; its extreme positions in the course of a magnetic storm may differ by more than 2°. It is subject, moreover, to a continuous change in one direction, owing to the secular change of D. The position of the H magnet is readily altered as desired by turning the torsion head. But frequent recourses to this practice is objectionable for several reasons. Fortunately in the case of an H magnet—the ideal position of which represents a maximum in the magnetic couple—a small departure from perpendicularity to the magnetic meridian is immaterial to the degree of accuracy, 1γ, usually aimed at. Even at the present high rate of the secular change in D, it requires five years for the magnetic meridian to alter 1°. As cos 1°·0 is 0·9998, and sin 1° is 0·017, it is really unnecessary, so far as provision for secular change is concerned, to move the torsion head oftener than once in five years, especially if each time it is done the alteration anticipates the future by two or three years. During the building operations in 1913, the magnetograph was for a time in action in the "Experimental House," and before it was restored to the magnetograph room, chalk lines were laid out on the floor, representing the position at the time of the magnetic meridian. By making allowance for the secular change, these lines or lines derived from them

* *Hourly Values from Autographic Records*, 1920, p. 54.

have served for all operations on the magnetograph since 1913. It was thought well on the present occasion to make sure that the line on the floor supposed to represent the magnetic meridian did really do so. In the presence of the magnetograph magnets, the magnetic moments of which are large, the laying down of an exact magnetic meridian in the magnetograph room is a difficult process. The meridian obtained with the help of the magnetometer Dover 140 was not identical with the line on the floor, but the difference was less than 20′. The position of the deflection bar during scale value determinations, which was always determined by reference to the lines on the floor, would thus appear to have possessed the necessary accuracy. The position of the H magnet itself seemed more in error than was expected from considerations of the secular change, and it was brought into a more correct position by turning the torsion head. Some unintended change seems to have occurred, because a few days later the scale value, which previous to the operations had been 1 mm. = 5·7γ, was found to be 1 mm. = 7·1γ. This was altered to 1 mm. = 6·3γ by altering the distance apart of the bifilar wires, movement of the torsion head in the direction opposite to that of the earlier change being required to bring the magnet perpendicular to the meridian. Determinations made later in the year showed no change of scale value.

The scale value of the vertical force (V) curves varied from 1 mm. = 11·7γ at the beginning of the year to 1 mm. = 10·7γ at the end of the year. The method of determining the scale values was that due to Broun, an auxiliary magnet being used to deflect the D and H magnets at the same distances and under like conditions, and similarly with the D and V magnets. The D, H and V magnets are alike in size and shape, and the deflection distances relatively large, viz., 85 cm. for H and D, and 75 cm. for V and D. The disturbance of the magnetic curves by artificial electric currents has been much as in the previous year. The publication of diurnal inequalities of D and H has thus been continued. As in previous years, a temperature correction of 3·1γ per 1° C. was applied to the readings of the H curves.

Particulars of the magnetic character of individual days on the international scale "0" (quiet), "1" (moderately disturbed) and "2" (highly disturbed), as contributed quarterly to Prof. van Everdingen, at De Bilt, for utilisation in the international lists, appear in Table 490. It also gives the number of days in each month to which the several characters were assigned, and the numerical mean of the character figures treated as if ordinary arithmetical quantities. As there is a wide range in the disturbance to which any one figure is attached, and an uncertain personal element in assigning the figure, the monthly means should be regarded as giving only a general indication of the disturbance prevailing.

While this is the case, the difference between the figures for 1922 and 1923 is so large as to put beyond a doubt the fact that the latter year was decidedly the quieter. Each month of 1923, with the exception of November, showed a smaller mean character figure than the corresponding month of 1922. The mean character figure for 1923 was less than two-thirds of that for 1922, and the number of days of character "2" in 1923 was less than half that for 1922. Judging by the mean character figure and the number of days of character 2, October was the most disturbed and August the quietest month of the year. Fifteen successive days, August 16th–30th, were judged of character 0, and no single day of the month was of character 2.

The following were amongst the most disturbed days of the year: March 24th, 25th; September 26th, 27th; October 15th, 16th. No disturbance, however, was of a very outstanding character.

At Kew Observatory, large disturbance in V is rare, and it never occurs without large disturbance in D and H; thus it is immaterial whether the V curves are considered or not when assigning daily character figures. But on individual occasions disturbance may be much more prominent in H than in D, and conversely. In allotting daily characters in the weekly chronicle prepared for Mining Engineers, D only is under consideration, whereas H is equally considered when assigning

characters for De Bilt. Also the object in view is different in the case of Mining Engineers. In their case the precise period of the day which is disturbed is of importance. Two-hour periods are dealt with, and when character 2 is assigned to a particular day, the periods during which the D curve has that character are particularised. The number of these disturbed periods at different hours of the day during 1923 was as follows :—

Hour ..	0–2h	2–4h	4–6h	6–8h	8–10h	10–12h	12–14h	14–16h	16–18h	18–20h	20–22h	22–24h
Disturbed occasions ..	6	6	3	0	0	0	1	3	6	7	7	6

This represents a total for the year of 45 occasions, i.e. 90 hours, considered highly disturbed, as compared with 322 hours in 1922. Of the 90 disturbed hours during 1923, October contributed 32 and September 24. March and May each contributed 12 highly disturbed hours and December 10. The remaining seven months contributed nothing, a very outstanding example of quiet conditions. The twelve hours, 4h–16h, contributed only 16 per cent. of the disturbed hours, as compared with 27 per cent. in the previous year.

The data for Mining Engineers are issued within a few days of the end of the week, so that the characters have to be settled for only a few days at a time, and D only is considered. A few August days, the characters of which had been assigned in the Superintendent's absence, were reconsidered, leading to a slight diminution in the number of 0's assigned. Taking the revised figures, the days awarded characters 0, 1 and 2 numbered, respectively, 262, 92 and 11, giving a mean character figure for the year of 0·31, as compared with 0·65 for 1922.

Prior to 1919 diurnal inequalities were given only for the five international quiet days, and before taking the readings the curves were smoothed by hand. A change of procedure appeared desirable when D inequalities were prepared from all ordinary days (i.e. all days except those of character 2). Accordingly, all the curves are now measured with a mean value scale, the 60-minute intervals employed centering at exact hours G.M.T.

In all the inequalities the non-cyclic change has been allowed for in the usual way, i.e. by assuming it to come in at a uniform rate throughout the day. Particulars as to the size of the non-cyclic changes are given in Table 491. In addition to the results for 1923 there are data for the previous ten years, so far as available, so as to cover a complete sunspot period. Results for D′ (the ordinary day declination) were available only from 1918. As usual, the non-cyclic changes in D′ and D (i.e. the quiet day declination) vary irregularly from month to month. As is usual on quiet days, the non-cyclic change in H has a decided tendency to be positive, but two months, April and September, had small negative values. The mean value for the year, as a whole, is smaller than in any one of the previous ten years with the exception of 1914.

The diurnal inequalities of declination from ordinary days, i.e. all days except those highly disturbed, are given in Table 486. Of the 11 days omitted as highly disturbed, 8 occurred in the equinoctial months, 2 in a summer month (May), and 1 in a winter month (December).

The diurnal inequalities for D and H from the international quiet days are given in Tables 487 and 488. The international quiet days in 1923 had the following dates :—

January ..	7	8	18	19	27	July	5	14	15	21	24
February ..	9	12	13	21	23	August ..	1	18	21	28	29
March ..	8	9	10	11	23	September ..	7	8	16	21	22
April ..	2	5	17	26	27	October ..	2	3	23	24	30
May ..	1	12	13	22	24	November ..	5	10	15	20	25
June ..	9	10	17	18	24	December ..	2	7	17	21	22

The units employed in the inequality tables are 1′ in D and 1γ (1 × 10^{-5} C.G.S. unit) in H. In the case of D the minus sign means that the magnet points to the east of its mean position for the day. Inequalities are given for each month of the year, for the year as a whole, and for three seasons defined as in previous years. The maximum and minimum hourly values are in heavy type. There is, as usual, a distinct difference in character between the diurnal inequalities of D on quiet and ordinary days; the easterly deviation near midnight is decidedly smaller in the quiet days. The difference is especially marked in the winter months. At that season the principal minimum (i.e. the easterly extreme) has a tendency to shift from the morning to the late evening hours. In Table 486 it occurs at 22h or 23h in the four winter months, whereas in Table 487 it occurs in the forenoon in every month of the year. In January and December, it is true, the difference between the morning and evening minima on quiet days is very small. The time of the principal maximum is the same in Tables 486 and 487, in ten months out of the twelve; but in November and December, it is at 12h in Table 487, an hour earlier than in Table 486. The maximum is at 13h in both Tables in all the other months, with the exception of June and July, when it is at 14h. The tendency in the maximum to be later in summer than in winter is recognisable in the seasonal inequalities.

As regards H, all the seasonal inequalities show a principal minimum at 11h, and this is true of eight individual months. Of the remaining months, two, August and September, have the principal minimum at 10h, and two, January and December, have it shortly after midnight. The principal maximum occurs at 19h or 18h in all the seasonal inequalities, and in eight individual months. Of the remaining months, three, July, August and September, have the principal maximum later in the afternoon, but one, March, has it at 7h. A double daily oscillation with maxima in the forenoon and afternoon is recognisable in most, if not all the months, and is comparatively prominent in all the winter and equinoctial months. In January, February and December, the excess of the afternoon over the morning maximum is not large.

Table 489 is intended to give a general picture of the chief magnetic phenomena of the year, and a survey of the phenomena for 1923 and the previous ten years, thus including an 11-year period. As we have just been discussing the diurnal inequalities, attention is first claimed by the ranges, A.D.'s, and non-cyclic changes. By A.D. (average departure) is meant the arithmetic mean of the 24 hourly departures from the mean of the day. It is a quantity which is less dependent than the range on the accident of how the times of maximum and minimum happen to lie relative to the nearest hour G.M.T. The data under D′ relate to the declination from the ordinary days, those under D to the declination from quiet days. It will be noticed that while the D range exceeds the D′ range in May and September, the A.D. is decidedly greater for D′ than for D in these, as in all the other months of the year. The influence of disturbance in increasing the amplitude of the regular diurnal variation is more conspicuous in the A.D. than in the range. Considering the extreme quietness of 1923, it is a little surprising to find the difference between the ordinary and quiet day inequalities so decided as it is. In the case of the mean diurnal inequality for the year, 1923 shows a decided decline in amplitude as compared with 1922 in all the ranges and A.D.'s, and this decline is clearly apparent both in the ranges and the A.D.'s in most individual months of the year. There are, however, exceptions to this, especially in the months of April, September and November. As compared with the previous ten years, 1923 has the smallest range and A.D. in the case of D, and only slightly exceeds 1913 in the case of H. The range and A.D. in D in 1923 were only about 57 per cent. of the corresponding quantities in 1917, the year of sunspot maximum. For H, the range in 1923 was 63 per cent. of that for 1917, but in the case of the A.D., the percentage was only 52.

The data in the earlier columns of Table 489 are of interest chiefly in connection with the secular change. The data for D, H, N (north component) and W (west component) are derived from the hourly measurements of the curves of the

international quiet days. The values of I (inclination) are derived from the absolute observations corrected to the mean of the day. The values of V and T (total force) are derived by combining the values of I and H. The mean monthly values of D from quiet days exceeded that from ordinary days on the average by $0'\cdot04$. The quiet day mean was the larger in seven months and the smaller in four, the two means being identical only in June.

Comparing the yearly means in Table 489, we see that the fall in D from 1922 to 1923 was $11'\cdot5$, as compared with $11'\cdot1$ in each of the two previous years. It is the largest annual change recorded since magnetic observations started at Kew. The average yearly fall for the ten years, 1913 to 1923, was $10'\cdot0$, as compared with an average of only $6'\cdot4$ between 1903 and 1913. The mean value found for H is the same as for 1922. The change in this element of late years has been small, but until the last year there has been a steady decline since 1913, amounting in all to 111γ. Inclination shows a fall of $0'\cdot6$ since 1922. The change in this element of late years has been almost insignificant. The highest of the mean monthly values of H exceeds the lowest by only 5γ. This uniformity is due partly to H having been nearly stationary, and partly to the exceptional quietness of the year. After a large magnetic storm H is nearly always considerably depressed, and in a disturbed year this is almost certain to exert a considerable influence on several of the mean monthly values.

Every month shows a fall in D as compared with the previous month. It is this change that is responsible for the slow rise in N, and the large fall in W. Every monthly mean value of W is less than that of the previous month. Since 1913, W has fallen 546γ. The fall, 59γ, since 1922, is thus only a little above the average of late years.

The vertical component and the total force show a decided fall, as in recent previous years. The average annual falls in these elements since 1913 have been respectively 22γ and 25γ, thus the falls, 21γ and 20γ, since 1922, have differed little from the mean. Instrumental and observational uncertainties enter more into the values of V and T than into those of D and H, and are probably largely responsible for the irregularities apparent in the monthly values of the former elements and in their secular change.

Table 492 gives the mean yearly values of magnetic declination, inclination, horizontal force and vertical force for a number of observatories, the publications of which are received at Kew Observatory. Table 493 includes a few stations for which there were no data for years subsequent to 1920. It also completes gaps in the Pavlovsk, Pola and San Fernando data.

Results for 1923 were not to hand for a considerable number of stations. Judging by the data available, the fall of westerly declination throughout the north-west of Europe varied little from place to place, and was appreciably greater than for the previous year. If we take the eight stations, Eskdalemuir, Stonyhurst, Potsdam, De Bilt, Kew, Greenwich, Valencia and Val Joyeux, we find the mean fall of declination from 1922 to 1923 to be $11'\cdot6$, as compared with $11'\cdot0$ for 1921 to 1922. In the south-west of Europe the fall during the year 1922 to 1923 was somewhat less, the mean from the three stations, Coimbra, Tortosa and San Fernando, being $9'\cdot5$.

Potsdam showed in 1922 to 1923 a small rise of inclination, though somewhat less than in the previous year. The more westerly stations showed a fall, which though small, was on the average greater than in the previous year. The results obtained for the secular change of horizontal force in Western Europe were somewhat conflicting. There was a fall at Eskdalemuir, Potsdam, De Bilt, and San Fernando, but a rise at Stonyhurst, Valencia, Greenwich, Val Joyeux and Tortosa. No change was recorded at Kew. In all, or practically all cases, however, the secular change of horizontal force when algebraically considered was in excess of that for the previous year. At present secular change in inclination and horizontal force is so slow in Western Europe that small instrumental or observational defects might influence even the sign of the result.

SEISMOLOGY.

Table C, shown below, gives a résumé of the results obtained during the year from the Milne seismograph (No. 9) in the basement. The boom points north and south, so the instrument measures tilting in the east-west direction. Observations to determine the sensitiveness made on February 8th, June 29th, September 28th and December 19th, gave results in close agreement, the mean value found for the angle of tilt answering to 1 mm. ordinate on the trace being 0·53″. Observations made on the oscillation period on these three occasions gave a mean of 17·3 seconds. In an instrument of this type it is difficult, if not impossible, to discriminate between the different kinds of waves, and there is often considerable uncertainty as to the time of commencement. Thus the information given in Table C is confined to the time of the largest movement and its amplitude. Numerical measurements are not given if the measured amplitude is less than 1 mm. The letters *a*, *b*, *c* denote amplitudes on an increasing scale, *a* representing an amplitude not exceeding 0·2 mm., *b* an amplitude of at least 0·2 mm., but less than 0·5 mm., and *c* an amplitude of at least 0·5 mm., but less than 1·0 mm. The amplitude is partly determined by the approach in the period of the earthquake wave to the natural period of the boom, but a large amplitude is never experienced unless the earthquake has been a really considerable one. The limit of registration, 17 mm., was exceeded on two occasions, viz., February 3rd and September 1st (the great Japanese earthquake), and on September 2nd a movement had an amplitude of 13 mm. The other movements of the year were comparatively small.

TABLE C.—SEISMOLOGICAL DIARY.

Richmond (Kew Observatory). Times G.M.T. **1923.**

Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.	
	Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.
	h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.
Jan. 12	3 1	*a*	Mar. 1	9 17	*b*	May 1	11 36	*a*	July 2	3 29	*c*	Sept. 1	3 52	>17·0‡	Nov. 2	23 00	1·4
13	10 38	*b*	2	17 53	2·8	4	17 13	2·7	10	1 32	*b*	1	8 33	*c*	3	17 18	1·7
21	4 26	*b*	3	23 6	*a*	4	23 32	*b*	13	12 15	3·7	2	3 39	13·0	4	1 30	*b*
22	1 38	*a*	4	0 47	*b*		†		14	0 54	*b*		3 41	4·9	5	22 27	3·9
22	9 46	4·5	4	8 21	*a*	30	9 3	*b*					3 44	5·3	6	18 27	*b*
27	8 44	*b*	13	20 40	*a*	30	18 33	*b*					3 51	5·4	6	20 17	*c*
			14	21 55	*c*	31	22 26	*b*				2	10 23	*c*	9	4 13	*b*
			15	5 50	2·3							2	23 34	*c*	17	3 53	*b*
			16	23 23	1·0							9	22 56	3·0	18	22 28	1·1
			24	13 26	1·9							11	9 19	*a*	19	3 59	*b*
												14	13 36	*b*	21	14 15	*a*
												16	17 56	*b*	22	8 21	*b*
												17	7 39	1·7	25	17 39	*b*
												21	20 33	*b*	27	4 19	*a*
												26	9 17	1·2	28	0 47	*b*
												30	1 33	3·3			

Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.		Date.	Maximum.	
	Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.		Time.	Amp.
	h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.		h. m.	mm.
Feb. 2	1 57	*c*	Apr. 5	23 7	*a*	June 1	18 18	3·9	Aug. 1	5 29	*b*	Oct. 1	8 56	*c*	Dec. 5	21 11	3·6
2	6 1	2·5	13	16 21	1·6	1	21 14	*c*	8	13 24	*b*	3	16 54	*a*	5	23 45	*b*
3	?	>17·0*	19	4 13	*c*	2	2 4	*b*	10	2 52	*a*	7	4 37	2·5	20	15 50	*a*
4	13 21	*a*	23	4 10	2·4	17	18 15	*a*	11	2 6	*b*	10	7 23	5·4	27	15 34	*b*
5	23 44	*b*	24	22 47	*a*	18	9 48	*b*	12	7 1	*b*	20	4 5	*b*			
15	23 32	*a*	25	20 13	*a*	19	23 25	*a*	12	10 59	*c*	23	16 47	*a*			
16	7 23	*a*	29	9 56	*c*	22	7 34	2·9	14	18 4	*a*						
16	10 12	*b*							16	21 21	*a*						
19	0 32	*a*							17	2 8	*b*						
21	1 42	*b*							19	13 41	*a*						
23	7 3	*b*							23	6 19	*a*						
24	8 22	5·9							27	12 14	*b*						
28	22 23	*b*							29	0 4	3·3						

* Limits of registration (17·0 mm.) exceeded from 16h 48m—16h 56m. Disturbance visible till after 22h 00m.
† Disturbances were recorded between May 5th and May 28th, but time marking arrangements failed.
‡ Limits of registration (17·0 mm.) exceeded at 3h 52m.

Readings in millibars at exact hours, Greenwich Mean Time.

382. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **January, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	000·3	001·4	002·5	003·7	005·1	006·1	007·4	009·0	010·2	011·1	011·7	011·9	012·1	012·4	013·0	013·5	013·7	013·9	014·5	014·6	014·2	014·1	012·9	013·7	cc9·9
2	013·4	013·2	012·3	011·6	010·8	010·4	010·3	009·9	009·7	009·2	008·5	007·7	006·8	005·2	004·6	003·8	003·3	003·0	004·7	004·0	003·9	004·1	003·8	003·3	007·6
3	003·2	003·1	002·8	003·0	002·9	003·0	003·1	003·2	003·4	003·6	003·6	003·6	003·6	003·8	004·3	004·3	005·0	005·6	005·8	006·3	006·9	007·4	007·8	008·4	**004·4**
4	009·1	009·9	010·3	011·0	011·6	012·4	013·2	014·3	015·4	016·3	017·0	017·1	017·4	017·8	018·2	018·4	019·2	019·5	020·8	020·1	020·1	020·1	020·2	020·1	016·0
5	019·6	019·4	018·8	017·5	016·4	015·8	015·5	014·6	013·9	013·1	011·7	009·3	007·4	005·9	004·7	003·1	002·0	cc0·5	cc0·0	cc0·0	cc0·9	c01·8	c02·8	c03·8	cc9·4
6	005·1	006·1	007·4	008·6	009·6	010·9	012·0	013·2	014·5	015·4	015·9	015·9	016·3	016·8	017·5	018·5	019·1	019·7	020·1	020·5	020·9	020·8	020·8	020·1	014·9
7	020·0	019·6	019·0	018·0	016·8	015·6	014·1	013·5	012·5	012·0	011·6	011·0	010·6	010·9	011·0	011·1	011·4	011·8	012·2	012·5	012·4	012·4	012·5	012·6	013·7
8	012·5	012·6	012·0	011·8	011·8	011·9	011·9	012·2	012·5	012·7	012·5	012·3	012·3	013·2	014·4	015·8	016·4	017·2	018·1	018·6	019·0	019·7	020·3	020·1	014·5
9	019·9	019·3	018·9	018·5	017·4	016·0	015·2	014·2	013·2	012·3	012·1	011·7	011·9	011·7	012·1	012·5	012·7	012·9	012·6	012·5	012·2	011·7	011·1	010·2	014·1
10	009·9	009·3	008·9	007·9	007·6	007·2	006·6	006·4	005·7	005·4	005·3	005·3	005·2	004·9	005·1	004·9	005·2	005·2	005·4	005·5	005·7	005·8	cc6·0	cc6·1	cc6·4
11	006·4	006·7	007·1	006·9	007·2	007·7	008·5	009·2	009·6	009·8	010·3	010·0	010·0	010·1	010·6	011·1	011·3	011·5	011·9	012·1	012·1	012·2	012·3	012·2	cc9·7
12	012·3	012·9	013·6	014·0	014·6	015·4	016·3	017·3	018·0	018·7	019·2	019·1	019·2	019·5	020·2	020·6	021·2	021·6	022·3	022·9	023·3	023·8	023·9	c24·1	018·7
13	024·2	024·8	025·0	025·0	025·4	025·7	026·0	026·5	026·8	027·3	027·1	026·9	026·5	026·4	026·1	026·2	025·7	025·5	025·7	025·6	025·3	024·7	024·2	023·8	c25·7
14	023·8	023·6	023·2	023·0	022·8	022·3	022·2	022·0	021·9	021·7	021·8	020·8	020·3	021·1	021·3	021·7	022·8	023·5	024·7	025·8	026·2	026·6	027·1	027·4	c23·2
15	027·7	028·0	028·0	028·1	027·6	027·6	027·9	028·9	029·5	029·7	029·8	029·5	028·9	028·9	028·9	028·8	028·8	028·5	028·8	029·1	028·6	028·0	027·9	c27·6	c28·5
16	027·5	027·6	027·5	027·0	026·9	026·7	027·0	027·4	027·7	028·1	028·3	027·9	027·8	027·9	028·0	027·9	028·3	028·6	029·1	029·4	029·4	029·5	c29·6	c29·7	c28·1
17	029·7	029·8	029·8	029·7	030·0	030·3	030·8	031·1	031·3	031·4	031·6	031·5	031·5	031·6	031·6	031·8	032·0	032·4	032·6	032·8	032·7	032·6	032·4	032·2	031·3
18	031·7	031·9	031·6	031·6	031·1	030·6	030·0	030·2	030·3	030·2	030·3	030·1	029·8	029·8	030·2	030·7	031·0	031·7	032·0	032·6	032·9	034·2	034·8	034·9	031·4
19	034·8	034·5	034·2	034·7	035·0	035·1	034·6	035·1	035·1	035·1	034·1	032·7	031·4	030·3	029·4	028·7	027·3	026·4	c25·2	023·9	022·9	021·3	020·1	018·6	030·4
20	016·7	016·4	015·8	016·0	016·1	016·1	016·0	016·1	016·1	016·0	016·4	015·9	016·2	016·6	018·0	019·4	021·2	022·7	023·8	024·5	024·8	025·2	c26·0	c26·6	c18·9
21	027·1	027·9	028·4	028·4	028·4	028·3	029·1	029·5	029·5	029·3	029·0	028·7	028·2	028·0	028·0	027·9	027·8	027·8	028·0	028·0	028·0	028·0	028·1	028·0	c28·3
22	027·9	028·0	028·3	028·3	028·3	028·4	028·4	028·7	029·0	029·1	028·7	028·2	027·7	026·8	026·2	026·3	026·4	026·5	026·2	026·3	026·3	026·1	026·5	c27·3	027·5
23	028·8	029·9	031·1	031·9	032·9	033·6	034·8	035·6	036·2	036·6	036·7	036·3	035·9	036·0	036·1	036·2	036·1	036·1	036·4	036·4	035·8	035·9	035·7	035·1	034·7
24	034·1	034·0	033·7	033·8	033·8	033·6	033·6	033·7	033·8	034·0	034·1	033·6	033·5	033·3	033·3	033·4	033·6	034·0	034·5	034·8	035·4	035·5	035·7	035·8	034·1
25	036·1	036·1	036·2	036·3	036·1	036·4	036·8	037·3	037·9	038·2	038·3	037·8	037·5	037·1	037·0	037·1	037·2	037·3	037·4	037·5	037·3	037·3	037·5	037·4	**037·1**
26	037·1	037·1	036·9	036·7	036·6	036·5	036·6	036·7	036·7	037·0	036·7	036·3	035·6	035·0	034·7	034·7	034·6	034·3	034·2	034·0	033·5	033·3	032·8	032·4	035·5
27	031·5	031·3	030·6	030·0	029·4	028·6	028·6	028·6	028·7	028·5	028·3	027·3	026·5	025·6	025·2	025·2	025·1	025·0	025·1	025·1	025·2	025·1	025·3	c25·3	c27·4
28	025·0	025·3	025·4	025·3	025·4	025·4	025·6	025·8	026·2	026·3	026·6	026·4	025·8	025·5	025·4	025·5	025·6	025·6	025·5	025·6	025·5	025·4	025·1	c24·7	c25·6
29	024·0	023·5	022·8	022·2	021·7	021·0	020·5	020·5	020·1	019·8	019·7	019·3	018·4	017·8	017·3	017·1	016·8	016·6	016·4	016·3	015·7	016·0	016·2	016·2	019·2
30	016·3	016·4	016·6	016·9	016·9	017·3	017·7	018·3	019·0	019·5	019·9	020·1	020·0	020·0	020·1	020·2	020·5	020·6	021·0	021·2	021·6	021·7	021·6	021·5	019·3
31	021·7	021·9	022·2	022·0	022·0	021·7	021·8	022·3	023·0	022·8	022·9	022·7	022·3	022·3	022·2	022·0	021·5	021·3	021·4	021·1	020·9	020·8	020·9	c20·9	021·9
Mean (Stationlevel)	1021 ·21	1021 ·34	1021 ·32	1021 ·27	1021 ·23	1021 ·21	1021 ·36	1021 ·65	1021 ·85	1021 ·94	1021 ·93	1021 ·51	1021 ·18	**1021 ·04**	1021 ·12	1021 ·24	1021 ·38	1021 ·51	1021 ·82	1021 ·92	1021 ·92	1021 ·97	**1022 ·00**	1021 ·94	1021 ·52
Mean (Sea level)	1022 ·51	1022 ·64	1022 ·62	1022 ·58	1022 ·54	1022 ·52	1022 ·66	1022 ·96	1023 ·16	1023 ·24	1023 ·23	1022 ·81	1022 ·47	**1022 ·33**	1022 ·41	1022 ·53	1022 ·67	1022 ·81	1023 ·12	1023 ·22	1023 ·23	1023 ·27	**1023 ·30**	1023 ·24	1022 ·82

Station Level.

383. Richmond (Kew Observatory) : H_b = 10·4 metres. **February, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	020·4	020·1	019·8	019·6	019·3	018·9	018·9	018·8	018·5	018·8	018·8	018·5	018·4	017·7	017·7	017·2	017·3	017·0	016·9	016·7	016·3	016·3	015·6	c15·4	018·1
2	014·9	014·6	015·0	014·8	015·0	014·8	015·0	015·2	015·6	015·9	016·1	015·9	015·6	015·6	015·0	015·0	014·9	015·0	014·7	014·7	014·6	014·5	014·3	c14·2	015·1
3	014·4	014·4	014·4	014·4	015·0	015·0	015·2	015·5	016·0	016·5	016·7	016·5	016·4	015·8	015·7	015·7	015·6	015·3	014·8	014·8	014·4	014·5	014·2	c14·4	015·2
4	013·7	013·6	013·4	013·2	013·6	013·7	013·9	014·7	015·6	016·1	016·6	016·6	016·7	016·9	017·6	018·2	018·7	019·7	019·9	020·0	020·4	020·7	020·6	c20·5	016·7
5	020·5	020·4	020·1	019·9	019·9	019·9	019·8	019·8	019·4	019·2	019·0	018·3	017·6	017·0	016·4	015·8	015·1	015·1	015·1	014·8	014·3	013·7	012·8	012·3	017·5
6	011·4	010·6	009·7	008·7	007·8	006·7	006·1	005·7	004·3	003·4	002·9	001·3	000·5	999·3	998·0	997·5	996·4	996·0	996·0	996·1	995·8	996·1	997·1	c97·6	002·2
7	997·8	998·1	998·3	997·7	997·2	996·7	995·4	994·6	992·6	991·8	991·0	989·7	989·2	988·7	988·6	988·2	988·2	987·4	987·7	987·4	986·9	986·4	985·9	c85·4	991·5
8	984·5	983·2	981·0	979·7	979·1	978·6	978·2	977·9	977·6	977·7	978·0	979·0	980·8	981·1	984·1	985·8	987·2	988·7	990·0	990·7	992·1	993·2	993·9	c94·4	983·8
9	995·3	996·3	997·5	998·1	999·2	000·2	000·9	002·5	003·8	004·6	005·0	005·4	005·6	005·6	005·5	005·9	006·1	006·7	006·4	006·0	c05·6	c05·1	cc4·8	c04·6	c03·0
10	004·1	003·6	003·2	002·9	001·9	001·5	001·1	001·1	000·6	000·3	999·8	999·4	999·0	998·9	998·7	998·7	998·8	998·9	998·8	998·6	998·3	c98·5	c98·7	c98·6	000·3
11	998·9	999·3	999·7	000·5	001·0	001·9	002·5	003·4	004·0	004·6	005·4	005·8	006·2	006·2	006·5	007·2	007·8	008·4	008·8	c09·5	010·4	011·0	011·4	011·9	005·2
12	012·4	012·9	013·6	014·0	014·2	014·4	015·0	015·9	016·5	016·3	016·4	016·1	016·0	016·1	016·1	016·4	016·2	016·2	016·5	016·4	016·5	016·5	016·2	016·1	015·5
13	016·0	016·1	016·0	016·1	016·1	016·6	016·7	017·4	017·4	017·8	018·8	018·9	019·0	019·5	019·7	020·0	020·2	020·0	020·1	020·6	020·7	020·3	020·5	c20·7	**018·5**
14	020·0	019·9	019·9	019·6	019·3	018·8	018·6	018·6	018·4	018·5	018·2	017·8	017·5	016·9	016·7	016·8	016·5	016·6	016·6	016·7	016·5	016·5	016·5	016·5	017·9
15	016·2	015·7	015·4	015·2	014·9	014·5	014·3	014·0	013·7	013·7	013·5	012·7	011·7	010·9	010·5	010·0	009·5	009·5	009·4	008·9	009·0	008·8	c08·4	c08·2	012·2
16	007·7	007·5	007·3	007·5	008·0	008·0	008·3	008·6	008·7	008·8	008·8	008·4	008·1	007·8	007·6	007·4	007·0	006·9	006·8	006·8	006·6	c06·4	c06·0	c05·5	c07·6
17	004·5	003·0	003·1	003·6	003·9	004·2	004·4	004·6	004·9	005·3	005·9	006·0	006·0	006·2	006·3	006·7	007·4	007·9	008·7	008·9	008·6	008·4	c08·1	c07·8	c06·0
18	007·4	006·7	005·5	003·7	001·8	000·5	998·9	997·2	996·2	994·9	993·6	992·7	991·4	991·3	991·1	991·1	991·5	992·0	992·5	992·2	992·3	992·4	992·5	992·8	996·2
19	992·7	993·0	993·0	993·2	993·5	993·4	993·5	993·7	994·0	994·2	994·7	994·8	994·8	994·9	995·0	995·2	995·7	996·4	996·9	997·3	997·5	997·9	998·4	999·2	995·0
20	999·8	000·3	000·8	001·2	002·0	002·4	003·1	003·9	004·4	005·0	005·7	005·7	005·6	005·3	005·2	005·0	005·2	005·3	005·0	004·6	003·5	003·0	002·1	001·2	003·5
21	000·7	999·4	998·2	996·7	995·8	994·5	993·1	992·2	990·9	990·0	989·1	988·4	988·4	989·0	988·4	988·4	988·9	989·4	989·6	989·5	989·6	989·6	989·8	990·3	c91·9
22	990·4	990·8	990·5	990·6	990·4	990·3	989·9	989·8	989·4	989·2	988·6	988·1	986·7	985·2	984·3	983·1	981·2	980·4	980·5	980·0	979·5	978·7	977·1	976·3	985·7
23	977·4	978·6	979·5	980·4	981·7	983·0	984·8	986·6	987·7	988·8	990·1	991·0	991·2	991·5	991·5	991·9	992·0	992·3	992·3	992·2	992·1	991·9	991·6	991·4	c87·7
24	990·9	990·6	990·0	989·4	988·8	988·6	988·4	988·3	988·1	988·3	988·4	988·6	988·7	988·8	989·2	989·6	990·2	991·1	991·9	992·6	993·5	994·1	994·5	995·3	990·3
25	995·9	996·7	996·8	997·2	997·9	998·6	999·2	999·8	999·9	000·2	000·5	000·8	000·9	001·2	001·6	001·9	002·1	001·9	001·7	001·5	001·4	000·9	000·5	999·8	999·9
26	998·3	997·2	995·6	994·0	991·3	989·1	986·8	984·8	983·0	981·8	981·0	980·8	980·9	981·0	980·5	980·2	980·4	980·4	980·5	980·5	980·1	980·2	979·8	979·7	984·9
27	979·8	979·5	979·2	979·1	979·0	979·0	979·1	979·3	978·9	978·8	979·3	979·4	979·5	979·6	979·6	979·7	980·2	980·7	981·2	981·7	982·6	983·3	984·1	984·9	**980·2**
28	985·9	986·9	987·4	988·2	989·2	989·9	990·8	991·2	991·5	991·3	990·9	990·5	990·0	989·6	988·8	988·8	989·1	989·3	989·9	990·2	990·9	991·8	992·8	993·8	989·8
Mean (Station level)	**1002 ·57**	1002 ·46	1002 ·28	1002 ·11	1002 ·03	1001 ·92	1001 ·85	1001 ·97	1001 ·84	1001 ·85	1001 ·89	1001 ·68	1001 ·51	1001 ·34	**1001 ·28**	1001 ·34	1001 ·41	1001 ·59	1001 ·76	1001 ·78	1001 ·79	1001 ·81	1001 ·72	1001 ·74	1001 ·83
Mean (Sea level)	**1003 ·84**	1003 ·74	1003 ·56	1003 ·39	1003 ·31	1003 ·19	1003 ·13	1003 ·25	1003 ·12	1003 ·12	1003 ·15	1002 ·95	1002 ·77	1002 ·60	**1002 ·54**	1002 ·60	1002 ·67	1002 ·86	1003 ·03	1003 ·05	1003 ·06	1003 ·09	1002 ·99	1003 ·02	1003 ·10

Station Level.

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

384. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **March, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	994·4	995·0	995·4	995·7	996·1	996·5	997·3	998·1	999·0	000·1	000·7	001·2	001·4	001·3	001·0	000·7	000·3	999·8	998·5	996·9	994·6	992·7	991·0	990·3	997·5
2	991·3	992·2	992·8	993·4	994·2	994·9	995·7	996·8	996·6	996·3	996·4	996·2	995·2	994·4	993·8	993·1	992·7	993·0	992·6	992·1	991·7	991·3	991·1	991·0	**993·7**
3	990·6	990·6	990·5	990·6	990·5	990·8	991·3	992·0	992·6	993·5	994·1	994·6	994·9	995·2	995·5	996·2	996·7	997·5	998·0	998·8	999·4	000·1	001·1	002·3	994·7
4	003·2	004·3	005·2	006·2	007·4	008·6	010·1	011·2	012·4	013·3	014·0	014·6	015·4	015·8	016·2	017·0	017·8	018·5	019·5	020·3	020·7	021·1	021·3	021·5	013·(
5	021·3	021·4	021·3	021·5	021·6	021·6	021·8	021·4	021·6	021·2	020·8	020·1	019·7	019·2	018·8	018·7	018·7	018·9	019·0	019·0	019·2	019·6	019·3	019·3	020·3
6	019·2	019·1	018·7	018·6	018·5	018·3	017·9	017·5	017·0	016·2	015·2	014·2	012·6	011·8	010·7	009·6	008·6	007·8	007·6	007·6	007·8	008·0	008·0	007·9	013·5
7	007·7	007·6	007·1	006·5	006·4	005·9	005·6	005·5	005·2	004·8	004·6	004·3	003·3	002·8	002·4	002·0	002·2	002·6	003·1	003·7	004·0	004·9	005·6	006·0	004·8
8	006·5	006·9	007·2	007·9	008·5	009·2	009·8	010·6	011·0	011·5	012·1	012·2	012·3	012·3	012·2	012·6	012·9	013·6	014·5	015·0	015·5	015·8	016·3	016·5	011·6
9	016·7	016·8	017·1	017·3	017·6	017·5	017·8	018·1	018·2	018·2	017·9	018·0	017·7	017·7	017·3	017·0	017·3	017·5	017·8	017·8	017·9	017·7	017·5	017·2	017·6
10	016·9	016·5	016·2	016·0	016·0	015·9	015·8	015·7	015·3	015·5	015·2	014·6	013·9	013·5	013·1	013·0	012·8	013·1	012·8	012·7	012·7	012·5	012·6	012·7	014·5
11	012·9	013·0	013·1	013·3	013·8	014·2	015·0	015·6	016·3	017·0	017·7	017·9	017·9	018·1	018·7	019·1	019·8	020·2	021·0	021·9	022·6	022·4	022·7	023·0	017·6
12	022·8	023·2	023·1	023·1	023·5	023·7	023·8	024·0	024·1	023·9	023·6	023·3	022·8	022·7	022·2	021·8	021·7	021·4	021·4	021·1	020·6	020·3	019·6	019·0	022·4
13	018·3	017·8	017·1	016·8	016·6	016·8	017·0	017·5	018·0	018·5	018·9	019·1	019·3	019·4	019·9	020·3	020·9	021·7	022·4	022·9	023·3	023·8	024·0	024·1	019·7
14	024·5	024·4	024·2	024·1	024·4	024·5	024·8	025·0	025·4	025·6	025·6	025·6	025·2	024·8	024·9	024·6	024·7	024·9	025·0	024·8	024·9	024·9	024·6	024·4	024·8
15	024·1	023·5	022·8	022·2	021·9	021·5	021·4	021·3	020·9	020·8	020·4	020·1	019·6	019·2	018·9	019·0	019·1	019·4	019·8	020·1	020·6	020·8	021·1	021·3	020·9
16	021·2	021·1	021·0	021·1	021·2	021·7	022·3	022·8	023·1	023·3	023·5	023·5	023·4	023·1	022·8	022·6	022·8	023·0	023·2	023·4	023·4	023·4	023·3	023·1	022·6
17	023·1	022·7	022·3	022·1	022·3	022·5	022·7	022·9	023·2	023·5	023·5	023·4	023·2	022·8	022·7	022·8	022·9	023·3	023·7	023·9	024·0	024·4	024·7	024·6	023·2
18	024·7	024·5	024·3	024·3	024·6	024·9	025·2	025·4	025·8	025·6	025·6	025·5	025·1	024·9	024·5	024·4	024·4	024·6	024·7	024·5	024·5	024·4	024·1	023·9	024·8
19	023·5	023·0	022·8	022·4	022·3	022·3	022·2	022·1	021·8	021·6	020·9	020·4	019·9	019·2	109·0	018·8	018·9	019·0	019·5	019·5	019·4	019·3	018·9	018·7	020·7
20	018·6	018·4	018·0	017·9	017·6	017·6	017·7	018·0	017·9	017·8	017·5	017·2	016·7	016·2	015·8	015·6	015·8	016·1	106·6	016·6	016·6	016·4	016·4	016·9	017·1
21	016·5	016·4	016·3	016·0	016·2	016·2	016·0	016·1	016·3	016·2	016·0	015·8	015·5	015·2	015·0	014·8	015·2	015·6	015·8	016·0	015·9	015·7	015·5	015·6	015·9
22	015·7	015·6	015·6	015·8	015·4	015·5	015·6	015·7	015·7	016·0	015·7	015·5	015·3	015·0	014·4	014·1	014·1	014·1	014·2	014·2	014·0	013·9	013·7	013·3	015·0
23	012·9	012·4	012·3	012·1	011·8	011·8	011·8	011·9	011·7	011·8	011·5	011·1	010·9	010·8	010·9	011·0	011·2	011·7	012·1	012·7	012·9	013·1	013·4	013·7	012·0
24	014·0	014·2	014·7	014·9	015·5	016·0	016·7	017·2	017·5	017·7	017·7	017·8	017·8	017·5	017·5	017·4	017·7	018·3	018·7	019·0	019·2	018·9	018·8	018·8	017·1
25	018·6	018·5	018·4	018·2	018·2	018·4	018·7	018·9	019·3	019·8	019·9	020·1	020·1	020·1	020·1	020·3	020·6	021·1	021·6	022·2	022·7	023·0	023·2	023·3	020·1
26	023·2	023·0	023·1	023·1	023·2	023·3	023·3	023·4	023·4	023·4	023·0	022·6	022·2	012·9	012·5	021·2	021·1	021·0	021·1	021·4	021·5	021·2	021·0	021·1	022·3
27	020·3	019·9	019·3	018·8	018·6	018·6	018·7	018·7	018·5	018·5	018·1	017·5	017·1	016·5	016·1	015·4	015·1	015·1	015·1	015·3	015·6	016·0	015·8	015·8	017·4
28	016·0	016·0	016·0	016·0	016·3	016·8	017·5	018·2	018·8	019·1	019·4	019·3	019·3	019·4	019·4	019·4	019·6	019·8	019·9	020·2	020·4	020·9	021·1	021·3	018·6
29	021·2	021·3	021·3	021·5	021·9	022·3	022·7	023·0	023·5	023·7	023·8	024·0	023·9	023·7	023·7	024·1	024·7	025·1	025·7	025·8	026·0	026·2	026·4	026·6	023·7
30	026·9	026·9	026·7	026·9	026·9	027·1	027·7	027·5	027·5	027·3	027·1	026·8	026·3	025·8	025·1	024·9	024·4	023·9	023·9	023·8	023·6	023·1	022·1	022·1	**025·7**
31	021·5	020·6	019·4	018·6	018·1	017·6	017·3	017·6	017·1	016·4	015·8	015·3	014·8	014·6	014·2	013·9	013·4	013·7	013·6	013·6	013·8	013·9	013·5	013·6	016·1
Mean (Station level)	1015 ·75	1015 ·70	1015 ·59	**1015 ·58**	1015 ·71	1015 ·89	1016 ·17	1016 ·44	1016 ·60	**1016 ·71**	1016 ·65	1016 ·51	1016 ·22	1015 ·97	1015 ·75	1015 ·66	1015 ·75	1015 ·98	1016 ·21	1016 ·35	1016 ·42	1016 ·44	1016 ·38	1016 ·42	1016 ·11
Mean (Sea level)	1017 ·04	1017 ·00	1016 ·88	**1016 ·87**	1017 ·01	1017 ·18	1017 ·47	1017 ·74	1017 ·89	**1018 ·00**	1017 ·93	1017 ·79	1017 ·49	1017 ·24	1017 ·02	1016 ·93	1017 ·02	1017 ·26	1017 ·49	1017 ·63	1017 ·71	1017 ·73	1017 ·67	1017 ·71	1017 ·39

Station Level.

385. Richmond (Kew Observatory) : H_b = 10·4 metres. **April, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	013·5	013·3	013·2	012·9	013·2	013·5	013·9	014·3	014·9	015·1	015·2	015·0	015·2	015·1	015·1	015·2	015·6	016·2	016·8	017·4	017·7	018·0	018·4	018·8	015·2
2	018·7	018·9	019·1	019·0	019·4	019·7	020·2	020·5	020·7	021·0	020·8	020·6	020·2	020·1	019·9	019·9	020·1	020·4	020·6	020·9	021·3	021·5	021·4	021·2	**020·2**
3	021·0	020·8	020·7	020·5	020·6	020·7	020·6	020·6	020·3	020·3	019·9	019·3	018·5	017·9	016·9	016·6	016·3	016·2	016·2	016·3	016·1	015·6	014·6	014·4	018·5
4	013·8	013·0	012·3	011·7	011·5	011·5	011·4	011·1	010·5	009·9	009·2	008·4	007·8	007·3	006·9	006·4	005·9	006·1	006·1	005·9	005·6	005·2	004·8	004·(	008·8
5	004·3	004·1	003·9	003·7	003·6	003·7	003·8	004·0	004·2	004·6	004·7	004·6	004·3	004·2	004·1	003·9	004·0	004·2	004·6	004·6	004·6	004·6	004·5	004·2	
6	004·4	004·4	004·1	004·2	004·3	004·3	004·6	004·7	004·6	004·6	004·4	004·4	004·2	004·1	003·8	003·4	003·6	003·5	003·7	003·8	003·7	003·6	003·6	003·(	004·1
7	003·5	003·2	003·0	003·0	002·9	003·0	003·2	003·5	003·5	003·6	003·8	003·7	003·6	003·5	003·4	003·3	003·4	003·7	004·1	004·7	004·9	004·8	004·7	004·7	003·7
8	004·8	004·8	004·8	004·8	005·1	005·8	006·2	006·8	007·3	007·5	007·9	008·1	008·4	008·5	008·4	008·4	008·8	009·1	009·5	009·9	010·3	010·4	010·4	010·5	007·7
9	010·3	010·2	010·2	010·0	010·0	010·0	010·0	009·8	009·3	008·9	008·2	007·8	007·4	007·0	006·4	006·1	005·7	005·7	005·7	005·9	005·9	005·9	006·0	005·8	007·9
10	005·7	005·9	005·8	005·8	006·0	006·0	006·1	006·1	006·1	005·9	005·4	004·7	004·5	004·3	004·2	003·9	003·7	003·7	003·9	004·3	004·3	003·9	003·3	003·5	004·9
11	003·9	003·9	003·6	003·5	003·7	004·0	004·3	004·7	004·7	004·8	004·9	004·7	004·3	004·2	003·7	003·5	003·3	002·8	003·0	003·0	002·5	002·1	001·4	001·6	003·6
12	001·0	000·5	999·1	998·4	998·1	997·7	997·6	997·7	997·3	996·7	995·3	994·7	994·1	993·8	993·7	993·6	993·7	994·1	994·8	995·5	995·4	995·4	995·6	995·5	006·3
13	995·3	995·0	994·4	994·0	994·7	995·0	995·1	995·1	994·9	994·8	994·5	994·2	993·8	993·3	992·7	992·1	992·0	991·6	991·7	991·9	992·2	992·4	992·7	993·1	**993·7**
14	993·2	993·2	993·3	993·6	993·9	994·3	995·0	995·2	995·4	995·6	996·0	995·9	995·5	995·9	996·1	996·2	996·4	996·7	997·1	997·6	997·9	998·1	998·2	998·2	995·7
15	998·2	998·1	998·1	998·0	998·1	998·2	998·3	998·4	998·4	998·3	998·2	998·2	998·3	998·1	998·0	997·8	997·8	998·2	998·6	999·1	999·5	999·9	000·3	000·5	998·5
16	000·6	001·0	001·4	001·7	002·5	003·2	003·6	004·4	005·1	005·8	006·2	006·6	007·2	007·7	008·2	008·7	009·7	010·5	011·6	012·8	013·9	014·7	015·2	015·5	007·1
17	016·0	016·3	016·6	016·9	017·9	018·1	018·2	018·7	018·9	018·9	019·0	018·8	018·7	018·6	018·3	018·0	018·1	018·4	018·4	018·5	018·4	018·3	018·1	017·8	018·0
18	017·3	016·7	016·4	016·1	015·6	015·4	014·9	014·7	014·3	014·1	013·4	012·5	011·8	010·8	010·1	009·5	009·2	008·9	008·6	008·4	007·9	007·5	006·8	006·5	012·2
19	005·9	005·1	004·9	004·0	004·1	004·1	004·1	004·0	003·9	004·1	003·9	004·0	004·1	004·1	003·8	004·0	004·0	004·0	004·3	004·0	004·0	004·0	004·5	005·1	004·4
20	005·0	005·0	004·9	004·5	004·5	004·7	004·6	004·6	004·4	004·5	004·5	004·1	003·7	003·3	002·6	002·8	003·3	003·5	004·0	004·4	004·6	005·2	005·1	005·(	004·3
21	004·3	004·2	003·6	003·4	003·2	003·2	002·9	002·6	001·7	001·2	000·5	999·6	999·3	998·8	998·2	998·0	997·8	997·9	998·0	998·4	998·3	998·4	998·3	998·4	000·6
22	998·4	998·5	998·7	999·2	999·6	000·2	000·8	001·3	001·8	002·1	002·4	002·8	003·2	003·3	003·5	003·7	003·9	004·2	005·4	006·2	007·1	007·5	007·9	008·1	002·7
23	008·1	008·0	008·1	008·2	008·3	009·0	009·5	009·6	009·7	010·1	010·1	010·3	010·2	010·2	010·0	010·1	010·4	010·7	011·4	011·8	012·3	012·5	013·5	013·6	010·1
24	014·3	014·9	015·6	016·0	016·1	016·7	017·5	018·0	018·2	018·3	018·2	018·0	017·9	017·7	017·3	017·0	016·9	016·7	016·6	016·8	016·5	016·0	015·4	014·5	016·7
25	013·5	012·2	010·6	009·0	007·4	006·1	004·9	003·7	002·7	001·7	000·8	000·2	999·6	999·0	998·4	998·2	997·9	997·4	997·9	998·4	998·1	998·1	997·9	997·7	002·5
26	997·3	996·6	996·2	995·5	995·2	995·4	995·3	995·1	995·1	995·4	995·2	994·4	994·7	995·7	996·9	997·7	998·8	999·5	000·6	001·9	002·8	003·4	004·1	004·(	997·7
27	005·0	005·7	006·3	006·9	007·8	008·6	009·5	009·9	010·3	010·7	010·9	010·8	010·8	010·6	010·3	010·1	010·2	010·4	010·6	011·0	011·0	011·0	011·2	011·1	009·5
28	011·0	010·9	011·0	011·0	011·0	011·4	011·8	012·0	012·0	011·8	011·5	011·4	010·8	010·6	010·9	010·9	010·4	010·2	010·2	010·7	010·9	010·9	010·6	010·5	011·0
29	010·2	009·9	009·7	009·4	009·3	009·3	009·2	009·2	009·0	009·0	009·1	009·5	009·4	009·3	009·4	009·5	009·9	009·8	009·9	010·3	010·6	010·8	010·8	010·(	009·7
30	010·9	010·8	010·9	011·2	011·2	011·5	011·8	012·2	012·8	013·3	013·7	013·7	013·9	013·7	014·1	014·2	014·6	014·9	015·3	015·9	016·2	016·5	016·8	017·1	013·5
Mean (Station level)	1006 ·98	1006 ·84	1006 ·68	1006 ·54	1006 ·63	1006 ·81	1006 ·96	1007 ·08	1007 ·07	1007 ·09	1006 ·93	1006 ·70	1006 ·51	1006 ·36	1006 ·18	**1006 ·09**	1006 ·18	1006 ·31	1006 ·64	1007 ·04	1007 ·18	1007 ·24	1007 ·23	**1007 ·24**	1006 ·77
Mean (Sea level)	1008 ·26	1008 ·11	1007 ·96	1007 ·82	1007 ·91	1008 ·09	1008 ·24	1008 ·35	1008 ·33	1008 ·35	1008 ·19	1007 ·96	1007 ·77	1007 ·61	1007 ·43	**1007 ·34**	1007 ·43	1007 ·57	1007 ·90	1008 ·31	1008 ·45	1008 ·51	**1008 ·51**	**1008 ·51**	1008 ·03
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Station Level.

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

386. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **May, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	017·2	017·3	017·4	017·6	017·9	018·5	018·8	019·2	019·6	020·2	020·7	021·0	021·4	021·5	021·3	021·3	021·3	021·4	021·6	022·1	022·6	022·7	022·9	023·0	020·2
2	022·9	022·7	022·8	022·6	022·6	022·9	023·1	023·0	023·1	023·2	022·8	022·5	022·2	022·0	021·5	021·4	021·1	021·3	021·7	022·0	022·2	021·8	021·4	021·4	**022·3**
3	021·6	021·6	022·0	021·9	021·7	022·0	021·8	021·7	021·3	021·3	021·0	020·7	020·2	019·4	018·8	018·4	018·1	018·0	018·0	018·2	018·0	017·8	017·9	017·7	020·0
4	017·4	017·2	017·0	016·8	016·7	016·7	016·1	015·6	015·2	014·7	014·7	014·3	014·0	014·1	014·0	013·9	013·7	014·0	014·3	014·9	015·1	015·3	015·6	015·6	015·3
5	015·2	015·0	014·8	014·7	014·5	014·3	014·0	013·8	013·2	013·5	012·8	011·8	010·7	009·2	009·0	007·3	006·4	005·2	004·5	004·8	005·5	006·2	007·0	007·5	010·6
6	007·8	008·1	008·7	009·3	010·3	011·2	011·9	012·7	013·1	013·8	014·0	014·2	014·3	014·3	013·8	014·3	014·5	014·4	015·2	016·0	016·3	016·4	016·3	016·3	013·0
7	016·5	016·5	016·6	016·4	016·1	016·6	016·7	017·7	017·7	018·1	018·0	018·0	018·2	018·1	017·7	018·0	017·9	018·3	018·7	019·1	019·2	019·3	019·3	019·3	017·8
8	018·7	018·7	018·6	018·0	018·0	017·9	018·0	018·0	017·6	017·3	016·8	016·1	015·8	015·3	015·0	014·7	013·5	012·9	012·4	011·9	011·7	011·7	011·8	010·7	015·6
9	010·7	010·8	010·6	010·5	010·4	010·6	010·5	010·5	010·2	010·0	009·2	008·6	007·8	007·2	006·4	005·6	005·3	005·4	005·4	005·2	005·6	005·2	005·2	005·3	008·1
10	005·1	004·8	005·0	005·3	005·9	006·3	006·4	006·9	007·6	008·4	008·8	008·7	009·1	009·0	008·9	008·7	008·3	007·9	007·3	006·9	006·1	004·7	003·4	002·6	006·8
11	999·9	998·0	996·7	995·9	996·0	995·7	995·1	994·3	993·8	993·2	992·7	992·5	992·6	992·7	992·8	993·5	993·5	994·5	995·1	995·7	996·3	996·7	997·0	997·2	**995·2**
12	997·2	997·0	997·0	997·3	997·9	998·5	999·0	999·5	000·2	000·5	000·7	001·8	003·1	002·8	003·4	003·8	004·3	004·2	004·6	005·1	005·4	005·4	005·1	005·0	001·5
13	004·7	004·3	003·8	003·1	002·7	002·2	001·6	001·4	001·3	001·3	001·2	001·2	001·3	001·3	001·0	001·0	001·3	001·5	001·9	002·5	002·6	002·7	003·0	003·1	002·2
14	003·2	003·3	003·4	003·6	004·0	004·9	005·5	005·9	006·2	006·6	006·8	006·7	006·6	006·6	006·5	006·4	006·3	006·3	006·6	006·8	007·1	007·1	007·2	006·9	005·8
15	006·6	006·3	006·0	005·8	005·6	005·6	005·5	005·4	005·0	004·7	004·6	004·2	004·6	004·1	004·0	003·6	003·2	003·0	003·6	003·2	003·2	003·1	002·9	002·4	004·5
16	002·1	001·7	001·4	001·1	001·1	001·3	001·4	001·7	002·2	002·6	002·6	003·6	003·8	005·1	005·1	005·8	006·4	007·4	008·0	008·7	009·6	010·2	010·6	010·9	004·6
17	011·0	011·0	010·8	010·7	010·9	011·0	011·2	011·4	011·5	011·6	012·1	012·3	012·7	013·0	012·9	013·3	013·7	014·5	015·1	015·9	016·5	017·0	017·3	017·4	013·0
18	017·5	017·5	017·6	017·8	017·9	018·0	018·3	018·6	018·5	018·5	018·6	018·4	018·5	018·3	018·2	018·0	017·8	017·8	017·9	017·9	018·0	017·7	017·6	017·2	018·0
19	016·8	016·5	016·2	015·7	015·3	015·2	015·0	014·9	014·3	014·3	013·9	013·5	013·2	013·1	012·7	012·4	012·2	011·9	012·0	012·2	012·5	012·5	012·4	012·3	013·9
20	012·0	011·8	011·5	011·3	011·3	011·4	011·5	011·7	011·3	011·1	010·8	010·5	010·1	009·7	009·7	009·6	009·3	009·2	009·3	009·2	009·2	009·0	008·8	008·5	010·4
21	008·3	008·2	008·3	008·2	008·8	009·3	009·5	009·9	010·3	010·6	010·9	010·9	011·3	011·6	011·7	012·0	012·1	012·2	012·4	012·9	013·3	013·7	013·9	014·3	010·9
22	014·5	014·5	014·4	014·4	014·4	014·6	014·8	015·1	015·0	014·9	014·8	014·8	014·8	014·8	014·8	014·8	014·8	014·8	014·7	014·6	014·6	014·4	014·3	014·2	014·7
23	014·0	013·7	013·4	013·1	013·1	013·3	013·3	013·2	012·9	012·7	012·7	012·6	013·1	013·2	013·7	014·4	014·9	015·7	016·6	017·2	018·0	018·2	018·8	019·0	014·5
24	019·4	019·8	020·0	020·4	021·2	021·6	022·0	022·3	022·3	022·3	022·1	021·8	021·5	021·0	020·7	020·2	020·0	019·8	019·7	019·7	019·1	018·7	018·6	020·7	
25	017·4	016·6	015·6	014·7	013·9	013·2	012·5	011·9	010·9	010·4	009·6	008·7	008·1	008·0	007·4	007·9	007·7	007·8	007·9	008·3	008·9	008·8	009·0	009·1	010·8
26	008·9	008·9	008·8	008·9	009·2	009·6	010·1	010·2	010·2	010·1	010·3	010·3	010·3	010·4	010·3	010·3	010·3	010·8	011·0	011·3	011·7	011·9	012·0	012·0	010·3
27	012·0	012·4	012·6	012·7	013·0	013·6	013·7	014·1	014·2	014·4	014·5	014·7	014·8	014·9	014·9	014·9	014·9	015·3	015·4	015·6	015·9	016·0	015·7	015·6	014·3
28	015·2	014·8	014·4	014·2	014·4	014·7	014·8	014·9	014·9	015·3	014·8	014·9	014·9	015·2	015·5	015·7	016·0	016·8	017·7	018·2	018·7	019·2	019·5	019·5	015·9
29	019·2	019·0	018·4	018·1	017·9	017·8	017·7	017·6	017·5	017·5	017·1	017·2	017·0	017·1	017·0	016·8	016·8	016·9	017·1	017·3	017·5	017·4	017·6	017·6	017·6
30	017·7	017·6	017·5	017·5	017·8	018·1	018·3	018·4	018·4	018·2	018·0	018·0	017·8	017·6	017·6	017·6	017·7	017·9	018·1	018·4	019·2	019·9	020·2	020·5	020·8	018·3
31	021·1	021·1	021·1	021·1	021·3	021·4	021·2	021·3	021·5	021·7	021·4	021·1	020·7	020·0	019·1	018·5	018·1	017·9	018·5	018·8	019·2	019·0	019·1	019·0	020·0
Mean (Station level)	1012 ·64	1012 ·47	1012 ·33	1012 ·22	1012 ·32	1012 ·52	1012 ·56	1012 ·67	1012 ·61	1012 ·68	1012 ·55	1012 ·45	1012 ·41	1012 ·29	1012 ·12	1012 ·09	**1011 ·99**	1012 ·11	1012 ·35	1012 ·66	1012 ·91	1012 ·92	**1012 ·86**	1012 ·87	1012 ·49
Mean (Sea level)	1013 ·91	1013 ·75	1013 ·61	1013 ·49	1013 ·59	1013 ·79	1013 ·83	1013 ·94	1013 ·88	1013 ·94	1013 ·81	1013 ·70	1013 ·67	1013 ·55	1013 ·37	1013 ·34	**1013 ·24**	1013 ·36	1013 ·60	1013 ·92	1014 ·17	1014 ·19	**1014 ·23**	1014 ·14	1013 ·75

Station Level

387. Richmond (Kew Observatory) : H_b = 10·4 metres. **June, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	019·0	018·9	018·8	018·9	019·2	019·3	019·5	019·9	020·1	020·3	020·6	020·5	020·5	021·0	021·0	021·2	021·2	021·3	021·6	022·0	023·2	023·7	024·0	024·2	020·7
2	024·4	024·5	024·5	024·8	025·1	025·5	025·8	026·0	026·0	026·0	026·0	026·0	026·1	025·9	025·7	025·5	025·3	025·2	025·1	025·1	025·1	025·1	024·8	024·4	025·3
3	024·0	023·3	022·8	022·5	022·2	021·7	021·5	021·1	020·5	020·0	019·4	018·7	017·5	016·6	015·7	014·8	014·0	013·1	012·9	012·7	012·4	012·2	011·9	011·3	017·9
4	010·6	010·2	010·0	010·1	010·3	010·6	011·0	011·7	011·8	012·1	012·8	013·3	013·4	013·2	013·3	013·4	013·4	013·4	013·7	014·1	014·6	014·8	014·6	014·4	**012·8**
5	014·5	014·4	014·5	014·6	014·5	014·8	014·8	015·2	015·4	015·7	015·9	015·9	015·9	015·8	015·5	015·4	015·1	014·9	014·7	014·7	014·7	014·3	014·1	014·0	015·0
6	013·9	013·8	013·4	013·6	013·6	013·8	014·4	014·8	015·2	015·6	015·6	015·8	016·3	017·0	017·3	017·7	018·1	018·4	018·8	019·0	019·5	019·8	020·0	020·3	016·4
7	020·4	020·6	020·8	021·2	021·5	022·0	022·3	022·4	022·5	022·7	022·8	022·7	022·5	022·5	022·2	022·1	021·9	021·8	021·8	022·1	022·2	022·1	022·1	021·9	021·9
8	021·7	021·6	021·2	021·0	020·9	020·5	020·3	020·3	019·7	019·7	019·8	019·3	018·6	017·9	017·6	017·6	017·6	017·6	016·7	016·5	016·2	016·2	016·1	015·6	018·9
9	015·0	014·5	014·2	014·2	014·2	014·2	014·4	014·7	014·8	014·8	015·2	015·5	015·5	015·6	015·6	015·4	015·6	015·9	016·5	016·8	017·3	017·3	017·4	017·2	015·5
10	017·2	017·0	016·7	016·5	016·6	016·7	016·9	017·2	017·7	017·7	018·2	018·5	018·4	018·1	018·3	018·5	019·0	019·5	020·1	020·6	021·0	021·3	021·6	021·7	018·4
11	021·7	021·6	021·6	021·9	022·3	022·9	023·5	023·8	024·1	024·5	024·6	025·1	025·2	025·5	025·8	026·4	026·8	027·5	028·2	028·9	029·5	030·0	030·5	030·7	025·3
12	030·8	030·8	030·7	030·8	030·7	031·0	030·7	030·4	030·0	029·6	029·1	028·1	027·3	026·7	026·0	025·2	024·8	024·2	023·7	023·4	022·6	021·6	020·9	020·1	**027·3**
13	019·4	018·9	018·2	017·9	017·4	017·1	016·7	016·2	015·9	015·4	015·0	014·7	014·0	013·6	013·6	013·9	014·4	015·3	015·7	016·0	016·5	016·7	016·8	017·2	016·2
14	017·3	017·3	017·4	017·9	018·2	019·0	019·5	020·0	020·3	020·6	021·0	021·3	021·4	021·3	021·3	021·2	021·0	021·0	021·0	021·1	021·3	021·2	021·1	020·9	020·1
15	020·7	020·5	020·0	019·7	019·7	019·4	019·2	019·0	018·0	017·5	017·0	016·4	015·5	014·9	013·7	013·0	012·1	011·6	011·4	010·9	010·6	010·4	009·7	009·8	015·7
16	010·0	009·9	009·7	009·7	009·8	010·0	010·6	011·3	012·7	014·3	015·3	015·9	016·3	016·9	016·9	016·9	016·9	017·3	017·7	018·0	018·4	018·5	018·6	018·9	014·4
17	019·1	019·0	019·0	019·4	019·6	020·0	020·4	020·6	020·9	021·1	021·2	021·4	021·5	021·6	021·5	021·3	021·2	021·4	021·7	021·9	022·2	022·1	022·1	022·3	020·9
18	022·1	021·7	021·4	021·2	021·0	021·1	021·2	021·4	020·9	020·8	020·8	020·6	020·3	020·1	019·9	019·7	019·4	019·3	019·4	019·5	019·8	020·0	020·0	019·7	020·5
19	019·5	019·2	018·9	018·7	018·0	018·1	018·1	018·2	018·1	018·1	018·2	018·2	017·9	018·0	017·7	017·5	017·4	017·3	017·3	017·4	017·5	017·5	017·4	017·4	018·0
20	017·0	017·0	017·0	017·1	017·3	017·8	018·6	018·8	019·3	020·0	020·5	020·9	021·4	021·8	022·3	022·5	022·8	023·0	023·3	023·8	024·1	024·4	024·7	024·6	020·7
21	024·4	024·4	024·3	024·0	024·1	024·0	023·9	023·4	023·2	023·3	023·3	023·1	022·6	022·5	022·4	022·0	021·9	021·8	021·9	021·9	021·9	021·9	021·9	021·7	023·0
22	021·4	021·2	021·2	020·9	021·1	021·4	021·5	021·6	021·9	022·3	022·4	022·2	022·2	022·4	022·1	022·0	022·3	022·8	022·9	023·1	023·6	023·9	024·2	024·1	022·2
23	024·1	024·2	024·2	024·4	024·9	025·0	025·4	025·3	025·3	025·2	024·7	024·5	024·3	024·0	023·6	023·5	023·5	023·5	023·5	023·8	024·1	024·3	024·3	024·2	024·3
24	024·1	023·9	023·6	023·4	023·3	023·4	023·5	023·7	023·6	023·2	023·0	022·5	022·3	022·0	021·4	021·1	020·8	020·8	020·8	021·0	021·4	021·3	021·2	020·9	022·4
25	020·6	020·1	019·5	019·2	019·1	019·0	019·1	019·1	019·0	019·0	019·0	019·0	019·0	019·0	019·0	018·9	018·6	018·4	018·6	018·7	018·8	018·7	018·6	018·6	019·1
26	018·0	017·9	017·8	017·6	017·6	017·6	017·8	017·9	017·7	018·0	018·1	018·4	018·7	018·7	018·9	018·6	018·6	018·8	019·0	019·4	020·0	020·3	020·4	020·6	018·6
27	020·7	020·7	020·7	020·5	020·7	020·8	020·9	020·9	020·8	020·8	020·9	020·7	020·5	020·2	019·9	019·6	019·4	019·3	019·7	019·9	020·4	021·0	021·2	021·2	020·5
28	021·1	020·9	020·9	021·3	021·6	021·7	022·1	022·2	022·1	022·2	022·2	022·1	022·1	022·0	021·8	021·8	021·6	021·5	021·4	021·8	022·2	022·3	022·4	022·4	021·8
29	022·4	022·4	022·4	022·4	022·4	022·7	022·7	022·7	022·7	022·6	022·4	022·3	021·9	021·4	021·1	020·9	020·6	020·6	020·6	020·7	020·8	020·9	021·1	020·9	021·8
30	020·6	020·2	020·1	019·8	019·8	020·9	020·1	020·1	019·6	019·2	018·8	018·3	018·1	017·7	017·3	017·2	017·0	016·9	017·1	017·2	017·4	017·5	017·5	017·6	018·7
Mean (Station level)	1019 ·86	1019 ·69	1019 ·52	1019 ·51	1019 ·56	1019 ·73	1019 ·88	1020 ·00	1019 ·99	1020 ·08	**1020 ·13**	1020 ·06	1019 ·91	1019 ·80	1019 ·61	1019 ·49	**1019 ·41**	1019 ·45	1019 ·56	1019 ·73	1019 ·99	1020 ·04	1020 ·04	1019 ·96	1019 ·79
Mean (Sea level)	1021 ·13	1020 ·96	1020 ·79	1020 ·78	1020 ·83	1021 ·01	1021 ·15	1021 ·26	1021 ·25	1021 ·33	**1021 ·38**	1021 ·32	1021 ·16	1021 ·05	1020 ·86	1020 ·74	**1020 ·66**	1020 ·70	1020 ·81	1020 ·99	1021 ·25	1021 ·31	1021 ·31	1021 ·23	1021 ·05
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

Station Level

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

388. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **July, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	017·5	017·4	017·2	017·1	017·3	017·6	017·9	018·0	017·9	017·8	018·1	018·5	018·5	018·5	018·3	018·2	018·1	018·0	018·2	018·5	018·8	018·9	018·9	018·7	018·1
2	018·5	018·3	018·2	018·2	018·1	017·9	017·9	017·8	017·3	017·1	016·3	015·9	015·5	015·3	014·9	014·6	014·4	014·4	014·4	014·6	014·7	014·8	014·8	014·7	016·3
3	014·6	014·5	014·4	014·4	014·5	014·6	014·8	014·7	014·4	014·6	014·5	014·5	014·4	014·5	014·5	014·5	014·4	014·6	014·7	014·8	015·3	015·4	015·5	015·6	014·7
4	015·8	015·8	016·2	016·4	016·7	017·1	017·4	017·6	017·9	018·0	018·1	018·1	018·0	017·8	017·8	017·8	017·7	017·9	018·2	108·6	019·1	019·5	019·7	019·8	017·7
5	019·9	019·9	020·1	020·3	020·6	020·9	021·1	020·9	020·6	020·7	020·4	020·4	020·2	020·1	019·9	019·5	019·3	019·4	019·8	020·0	020·6	020·7	020·9	020·8	020·3
6	020·7	020·7	020·6	020·8	020·8	020·7	020·7	020·7	020·4	020·1	019·7	019·5	019·3	018·9	018·8	018·7	018·7	018·7	019·1	019·1	019·2	019·3	019·2	019·0	019·8
7	018·8	018·5	018·3	017·9	017·7	017·7	017·7	017·4	017·1	016·7	016·7	016·4	016·1	015·9	015·6	015·4	015·4	015·4	015·4	015·9	016·4	016·5	016·7	016·9	016·8
8	016·9	016·8	016·8	016·9	017·7	017·9	018·4	018·7	018·7	018·9	019·1	019·1	019·0	018·7	018·6	018·5	018·5	018·6	019·1	019·4	020·0	020·5	020·7	020·7	018·6
9	020·8	020·8	020·5	020·7	020·8	020·9	020·8	020·6	020·4	020·2	019·7	019·1	018·6	018·6	017·4	017·0	016·7	016·6	016·7	017·0	017·2	017·2	017·1	017·2	018·9
10	016·5	015·2	015·1	015·3	014·6	014·0	014·5	014·6	014·7	014·6	014·5	014·1	013·5	013·2	013·2	013·2	013·2	012·9	013·7	015·3	015·4	015·8	015·9	016·6	014·6
11	016·8	017·0	017·4	017·9	018·7	019·1	019·5	020·0	020·2	020·6	020·7	020·8	020·9	020·8	020·8	020·5	020·3	020·5	020·8	021·5	022·0	022·0	022·3	021·9	020·0
12	021·7	021·6	021·8	022·0	022·1	022·1	022·0	022·0	022·1	022·0	021·7	021·4	020·9	020·7	020·4	019·9	019·7	019·6	019·6	019·9	020·2	020·0	020·2	020·0	021·0
13	019·7	019·2	018·8	018·7	018·8	018·9	018·9	018·8	018·0	018·1	017·6	017·1	017·1	017·0	016·8	017·0	017·1	017·3	017·6	018·2	018·7	018·6	018·7	018·7	018·2
14	018·1	018·0	017·8	017·8	018·1	018·7	018·2	018·1	017·6	017·9	018·0	017·8	017·5	017·3	016·8	016·5	016·4	016·2	016·0	016·1	016·3	016·3	016·2	015·9	017·3
15	015·4	015·1	014·4	014·1	013·9	014·0	013·5	013·3	012·8	012·4	012·2	011·6	011·4	011·1	011·3	011·1	010·8	010·7	010·7	010·8	010·8	011·0	011·0	010·6	012·4
16	010·1	009·7	009·3	009·0	008·9	009·1	009·2	009·4	009·6	009·7	009·8	010·2	010·4	010·3	010·6	010·8	010·6	010·8	011·0	011·1	011·7	012·3	012·2	012·5	010·3
17	012·4	012·2	012·0	011·9	011·9	012·0	012·0	011·9	011·7	011·6	011·5	011·5	011·6	011·4	011·5	011·5	011·3	011·4	011·6	011·5	011·7	012·0	012·1	012·0	011·8
18	012·1	012·0	012·0	012·1	012·5	012·8	013·1	013·5	013·8	014·2	014·4	014·7	014·9	015·0	015·1	015·3	015·8	015·9	016·3	016·7	017·2	017·6	018·1	018·1	014·6
19	018·2	018·2	018·5	018·5	019·0	019·0	019·3	019·2	019·1	018·6	018·6	018·6	019·0	019·0	018·8	018·6	018·5	018·4	018·3	018·3	018·5	018·6	018·8	018·9	018·7
20	019·3	019·6	019·8	019·8	020·2	020·8	021·3	021·6	021·9	021·8	021·9	022·2	022·4	022·4	022·3	022·2	022·0	021·9	022·2	022·7	023·4	023·7	023·7	023·9	021·7
21	023·8	023·8	023·9	024·0	024·3	024·7	025·4	025·7	025·9	025·7	025·4	025·3	025·1	024·9	024·6	024·4	024·3	024·3	024·4	024·8	025·5	025·7	025·9	025·9	**024·9**
22	025·9	025·8	025·5	025·6	025·9	026·0	026·0	025·9	025·8	025·5	025·2	024·8	024·3	024·0	023·4	022·9	022·5	022·0	021·5	021·5	021·5	021·4	021·2	020·7	024·1
23	020·2	019·5	018·9	018·3	017·7	017·1	016·6	016·2	015·8	015·1	014·6	013·9	013·3	012·9	012·7	012·2	011·9	011·5	011·1	011·0	011·0	011·0	010·8	010·8	014·5
24	010·8	010·9	011·3	011·8	012·1	012·9	013·2	013·4	013·6	013·8	014·0	013·9	013·8	013·4	013·1	012·6	012·3	012·2	012·2	012·4	012·5	012·8	012·7	012·6	012·6
25	012·4	012·2	011·6	011·4	010·8	010·6	010·3	010·4	010·5	010·3	009·5	009·6	009·9	009·4	008·7	008·3	008·3	008·1	008·0	008·1	008·7	009·2	009·5	009·7	009·9
26	009·9	009·7	009·8	009·8	010·1	010·5	010·7	011·0	011·2	011·4	011·6	011·4	011·1	011·0	011·1	011·1	011·4	011·4	011·6	011·8	012·6	013·2	013·8	014·2	011·2
27	014·2	014·3	014·6	014·9	015·2	015·6	016·2	016·3	016·6	016·5	016·4	016·3	015·8	015·5	015·0	014·6	014·4	014·0	013·8	013·7	013·4	013·1	012·6	012·0	014·8
28	011·0	010·1	009·5	008·8	008·4	007·7	007·2	006·8	006·1	005·5	004·8	004·4	003·1	002·3	001·9	001·6	001·6	002·1	002·3	002·9	003·6	004·1	004·6	004·7	005·4
29	004·9	005·1	005·5	005·7	005·8	006·4	006·6	006·8	006·8	006·9	006·8	006·8	006·6	006·4	006·3	005·9	006·0	006·0	006·1	005·7	005·5	005·4	004·7	004·0	006·0
30	003·1	002·3	002·3	002·4	002·6	003·2	004·0	004·4	004·4	004·9	004·9	004·5	004·1	003·7	003·8	003·4	003·0	002·3	001·9	001·5	001·1	000·3	999·6	999·2	002·9
31	999·0	998·6	998·5	998·4	998·5	998·8	998·9	998·9	998·8	998·6	998·3	997·6	996·6	995·5	994·5	993·4	992·2	991·1	991·2	992·1	992·4	992·7	993·3	993·7	**996·0**
Mean (Station level)	1015 ·45	1015 ·25	1015 ·18	1015 ·19	1015 ·30	1015 ·46	1015 ·59	**1015 ·63**	1015 ·54	1015 ·48	1015 ·32	1015 ·16	1014 ·93	1014 ·67	1014 ·47	1014 ·23	1014 ·09	**1014 ·01**	1014 ·11	1014 ·37	1014 ·68	1014 ·83	1014 ·88	1014 ·84	1014 ·96
Mean (Sea level)	1016 ·69	1016 ·49	1016 ·43	1016 ·43	1016 ·54	1016 ·70	1016 ·83	**1016 ·87**	1016 ·77	1016 ·70	1016 ·54	1016 ·38	1016 ·15	1015 ·89	1015 ·68	1015 ·44	1015 ·30	**1015 ·22**	1015 ·33	1015 ·59	1015 ·91	1016 ·06	1016 ·12	1016 ·08	1016 ·19

Station Level

389. Richmond (Kew Observatory) : H_b = 10·4 metres. **August, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	994·6	995·8	996·9	998·2	999·6	000·8	001·7	003·0	003·8	004·9	005·8	006·6	007·0	007·3	008·0	008·6	009·0	009·4	009·8	010·5	011·0	011·3	011·4	011·6	004·9
2	011·5	011·4	011·2	011·2	010·8	010·6	010·4	010·1	009·6	008·6	008·0	007·7	007·7	007·6	007·5	007·5	007·2	007·8	008·3	009·3	010·2	010·7	011·2	011·8	009·5
3	011·9	012·1	012·5	013·0	013·6	014·4	015·1	015·7	016·2	016·7	017·0	017·4	017·9	018·5	018·6	019·3	020·1	020·7	021·3	022·2	023·0	023·7	024·3	024·7	017·6
4	025·1	025·1	025·2	025·5	025·8	026·1	026·5	026·5	026·6	026·3	026·0	025·6	025·0	024·5	023·9	023·5	023·0	022·9	023·0	023·1	022·9	022·9	022·7	022·5	**024·6**
5	022·0	021·8	021·6	021·4	020·9	020·3	020·3	020·3	020·3	019·7	019·2	018·2	017·7	017·3	017·2	016·9	016·4	016·3	016·2	016·4	016·6	016·7	016·8	017·0	018·7
6	017·0	017·1	017·3	017·3	017·2	017·7	018·3	018·2	018·1	018·1	018·2	018·0	017·9	017·4	017·3	016·7	016·4	016·4	016·6	016·9	017·4	017·5	017·4	017·5	017·4
7	017·3	017·0	016·6	016·5	016·6	016·5	016·4	016·6	016·4	016·5	016·5	016·5	016·1	015·9	015·5	015·4	015·2	015·4	015·7	016·2	016·8	017·0	017·4	017·4	016·4
8	017·3	017·7	017·6	017·7	018·1	018·4	018·7	018·9	019·0	018·9	018·9	019·0	018·9	018·6	018·6	018·0	017·8	017·5	017·7	017·8	018·0	018·2	018·2	018·3	018·2
9	018·4	018·3	018·1	017·8	017·6	018·0	018·0	018·1	017·9	017·6	017·4	017·3	017·2	016·9	016·8	016·7	016·7	016·9	017·2	018·0	018·8	019·2	019·9	020·1	017·8
10	020·0	020·2	020·3	020·8	021·1	021·4	021·8	022·1	022·4	022·6	022·6	022·4	022·1	021·9	021·9	021·9	021·7	021·5	021·6	021·9	022·3	022·8	023·3	023·4	021·8
11	023·2	023·2	023·2	023·3	023·5	024·1	024·3	024·5	024·9	024·7	024·6	024·4	024·1	024·0	023·9	024·0	023·5	023·8	023·7	024·2	024·6	024·8	025·2	024·8	024·1
12	024·7	025·1	024·9	025·1	025·1	025·6	025·8	025·6	025·7	025·2	025·0	024·4	023·9	023·3	022·9	022·4	022·2	022·0	022·3	022·4	022·4	022·1	022·2	022·1	023·9
13	021·4	020·8	020·4	020·0	019·9	020·0	019·9	019·3	019·6	019·2	018·6	018·2	018·0	018·1	018·1	018·1	018·3	018·4	018·7	019·6	020·1	020·2	020·4	020·5	019·4
14	020·6	020·7	020·9	021·0	021·0	021·1	021·2	021·3	021·4	021·4	021·1	020·8	020·5	020·2	019·4	019·0	018·6	018·1	018·0	017·8	017·7	017·4	017·1	016·4	019·8
15	015·9	015·8	015·8	016·0	016·1	016·2	016·9	016·7	017·3	017·6	018·2	018·3	018·3	018·3	018·4	018·3	018·5	019·2	019·9	020·7	021·2	021·4	021·8	021·9	018·2
16	022·1	022·2	022·2	022·2	022·4	022·5	022·3	022·3	022·1	021·8	021·6	021·4	020·9	020·1	019·4	019·2	018·7	018·2	018·2	018·3	018·0	017·4	017·0	016·5	020·4
17	016·2	015·4	014·7	013·9	013·1	012·0	011·6	010·5	009·7	009·2	008·5	007·6	006·6	005·9	004·8	004·0	003·2	003·0	003·1	003·1	003·1	003·0	003·0	002·7	008·1
18	002·6	002·4	002·2	001·9	001·7	001·6	001·7	001·7	001·5	001·3	001·2	001·1	001·9	002·6	002·9	003·4	003·9	005·0	005·8	007·0	007·7	008·7	009·1	009·6	003·5
19	009·8	010·1	010·3	010·9	011·4	012·1	012·6	012·8	013·2	013·2	013·2	013·2	013·0	012·7	012·8	012·7	012·6	012·6	012·7	013·0	013·3	013·4	013·1	012·8	012·3
20	012·7	012·3	012·0	011·6	011·9	011·9	011·9	011·7	011·6	011·3	010·7	010·4	010·1	009·8	009·4	009·2	009·2	009·2	009·5	009·5	009·4	009·2	008·8	008·2	010·6
21	007·6	007·0	006·4	005·7	005·3	005·0	004·4	003·6	002·8	002·0	001·7	001·4	001·4	001·2	001·0	000·9	001·1	001·4	002·0	002·4	003·0	003·2	003·4	003·5	003·3
22	003·4	004·0	004·1	004·3	004·4	005·0	005·7	006·2	006·6	006·7	007·4	007·5	007·7	007·7	007·9	008·5	008·9	009·3	010·1	011·3	011·8	012·2	012·4	012·9	007·6
23	013·0	013·1	012·9	013·0	012·9	012·9	012·9	012·6	012·6	011·7	011·2	010·3	009·6	009·1	008·5	007·2	006·2	005·3	004·9	003·8	002·6	001·1	999·8	998·5	008·9
24	997·6	997·5	997·6	997·5	997·5	997·2	997·2	997·3	997·4	997·5	997·3	997·9	998·9	000·0	001·1	001·7	002·4	003·8	005·2	006·5	008·0	009·2	009·8	010·2	**000·9**
25	011·2	012·3	013·3	013·9	014·7	015·2	016·1	016·5	017·0	017·2	016·7	016·2	016·1	016·1	015·9	015·4	015·3	014·8	014·3	013·2	012·7	012·7	011·7	010·8	014·5
26	009·8	009·3	008·3	007·6	006·9	006·8	006·6	006·4	006·2	006·0	005·7	005·4	004·6	004·2	003·8	003·3	003·0	003·0	003·0	003·1	003·1	003·0	002·8	002·5	005·4
27	002·2	001·8	001·6	001·4	001·3	001·5	001·6	001·8	001·7	001·7	001·7	001·4	002·1	002·5	002·2	002·3	002·4	002·4	002·8	002·9	003·0	002·8	002·7	002·7	002·1
28	002·9	002·9	003·4	003·8	004·5	005·2	005·8	006·2	006·9	007·6	008·1	008·3	008·9	009·3	009·7	010·3	010·4	010·8	011·5	012·3	013·0	013·1	013·2	013·2	008·2
29	012·9	012·8	012·6	012·4	011·7	011·2	011·1	010·7	009·6	008·1	007·0	005·4	003·8	001·7	998·9	996·2	993·6	992·0	991·2	989·7	989·2	990·6	993·2	996·6	002·9
30	999·2	001·3	003·7	005·3	006·8	007·8	008·7	009·6	010·4	011·0	011·3	011·9	012·3	012·5	012·4	012·5	012·7	012·9	013·1	013·9	014·3	014·4	014·5	014·4	009·9
31	014·2	014·0	013·9	013·8	013·8	013·8	014·0	013·9	013·7	013·6	013·3	013·0	012·5	012·0	011·8	011·9	011·7	011·7	011·9	011·9	011·9	011·9	011·9	012·0	012·9
Mean (Station level)	1012 ·85	1012 ·92	1012 ·96	1013 ·03	1013 ·11	1013 ·32	1013 ·53	1013 ·57	**1013 ·62**	1013 ·48	1013 ·35	1013 ·13	1012 ·98	1012 ·81	1012 ·58	1012 ·41	**1012 ·25**	1012 ·32	1012 ·56	1012 ·87	1013 ·14	1013 ·28	1013 ·41	1013 ·46	1013 ·03
Mean (Sea level)	1014 ·10	1014 ·17	1014 ·21	1014 ·29	1014 ·37	1014 ·57	1014 ·78	1014 ·81	**1014 ·86**	1014 ·71	1014 ·58	1014 ·36	1014 ·21	1014 ·03	1013 ·80	1013 ·63	**1013 ·46**	1013 ·54	1013 ·79	1014 ·11	1014 ·38	1014 ·53	1014 ·66	1014 ·71	1014 ·26
G.M.T.	1	2.	3	4	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14	15.	16.	17.	18	19	20	21	22.	23	24	Mean

Station Level

NOTE.—When pressure exceeds 1000 mb the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

390. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **September, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	011·9	011·8	011·8	011·8	011·9	012·1	012·4	012·7	012·9	013·0	013·1	013·2	013·0	013·1	013·3	013·4	014·3	014·8	015·5	016·3	017·1	017·6	018·2	018·7	013·8
2	019·5	019·9	020·4	020·8	021·4	022·1	023·0	023·5	024·0	024·0	024·1	024·5	024·8	024·9	024·7	024·8	025·1	025·6	025·9	026·4	026·5	026·8	026·9	027·1	023·9
3	027·2	027·5	027·6	027·6	027·8	028·0	028·2	028·4	028·4	028·1	028·0	027·6	027·3	027·0	026·6	026·5	026·4	026·4	026·5	026·6	026·9	026·7	026·4	026·2	027·3
4	025·8	025·3	024·8	024·3	024·0	023·5	023·5	022·9	022·7	022·3	021·8	021·7	021·8	021·8	021·7	022·1	022·6	023·1	023·9	024·7	024·2	025·7	026·1	026·3	023·6
5	026·3	026·5	026·5	026·6	026·7	026·7	026·9	027·0	027·2	026·9	026·6	026·4	025·9	025·3	025·1	025·1	025·1	025·1	025·3	025·6	025·7	026·0	026·3	026·4	026·1
6	026·5	026·6	026·5	026·5	026·7	027·0	027·5	027·8	027·8	027·8	027·5	027·2	026·7	026·0	025·0	024·5	024·1	024·1	024·2	024·6	024·9	024·9	024·7	024·5	026·0
7	024·1	024·1	023·9	023·5	023·2	023·2	023·2	023·2	023·1	023·1	022·9	022·9	022·8	022·5	021·9	021·6	021·8	022·5	023·6	024·5	025·4	026·1	026·3	026·5	023·5
8	026·3	026·4	026·3	026·5	026·9	027·6	027·6	027·8	027·7	027·7	027·7	027·6	027·3	026·6	026·0	025·4	025·1	024·9	024·9	024·9	024·9	024·8	024·7	024·3	026·3
9	023·6	022·8	022·1	021·6	021·2	021·1	020·9	020·6	020·3	019·9	019·4	019·4	018·6	018·1	017·3	017·1	016·9	016·8	016·8	017·1	017·3	017·5	017·4	017·2	019·4
10	017·1	016·9	016·7	016·3	016·2	016·2	016·5	016·8	017·0	017·4	017·1	017·0	016·7	016·5	016·5	016·5	016·7	017·2	017·8	018·5	018·7	018·7	018·9	018·9	017·2
11	018·8	018·7	018·6	018·5	018·6	018·6	018·8	019·0	018·8	018·5	018·3	017·7	016·7	016·0	015·5	014·8	014·5	014·4	014·6	014·8	014·9	014·8	014·7	014·5	016·9
12	014·0	013·6	012·8	012·5	012·6	012·7	012·8	012·8	012·8	013·0	012·3	012·2	011·8	011·7	011·5	011·5	011·6	011·6	012·2	012·7	012·8	012·7	012·8	012·7	012·5
13	012·5	012·3	012·0	011·6	011·4	011·4	011·5	011·5	011·3	010·8	010·1	009·3	008·5	007·8	007·3	006·7	006·4	006·3	006·5	006·8	006·7	006·8	006·4	006·0	009·2
14	005·7	005·0	004·5	004·2	003·7	003·9	003·9	004·0	003·7	003·4	003·1	002·4	001·8	001·4	000·8	000·4	999·9	999·6	999·8	999·7	999·4	959·0	999·0	999·0	002·1
15	999·1	999·3	999·4	999·7	999·8	000·2	000·6	001·1	001·5	001·7	001·5	001·5	001·6	001·9	002·2	002·7	002·8	003·3	003·9	004·5	005·5	006·1	006·6	007·1	002·1
16	007·5	007·9	008·5	009·2	009·9	010·5	011·1	011·8	012·4	012·8	012·9	013·0	013·1	013·4	013·5	013·4	013·9	014·6	015·2	015·8	016·1	016·7	016·8	016·8	012·6
17	016·7	016·6	016·2	015·7	015·4	015·1	014·5	013·6	012·9	012·1	010·8	009·9	008·4	007·1	005·9	004·8	003·4	002·7	002·0	000·5	999·6	998·5	997·0	996·2	008·6
18	994·8	993·8	992·9	992·6	993·5	994·0	994·5	994·8	995·0	995·8	997·4	998·7	999·5	999·8	000·6	000·9	001·2	001·9	002·5	003·5	003·9	004·6	005·2	005·7	998·4
19	006·4	006·9	007·3	007·7	008·6	009·2	009·9	010·2	010·6	011·1	011·1	011·1	011·0	010·6	010·3	010·1	010·0	000·7	009·4	009·1	008·5	007·9	007·4	006·7	009·2
20	006·0	005·2	004·9	005·0	005·2	005·7	006·2	006·8	007·0	007·1	007·3	007·5	007·4	007·2	007·3	007·6	007·9	008·0	008·4	008·7	008·6	008·2	007·3	005·6	006·9
21	004·2	001·1	998·7	997·1	996·4	996·9	997·6	998·4	999·1	999·1	999·3	999·9	000·4	001·7	002·9	003·8	004·8	005·9	007·2	008·0	008·5	008·7	008·7	008·3	002·3
22	007·9	006·8	006·2	005·3	004·6	004·3	004·1	003·9	003·7	003·2	002·6	002·4	001·7	001·6	001·1	999·9	999·4	998·9	999·0	998·7	998·4	997·8	997·7	997·6	002·2
23	997·4	997·4	997·2	997·1	997·0	996·9	996·9	996·7	996·4	996·2	995·7	995·4	994·9	994·7	994·2	994·6	995·3	996·8	997·9	999·1	999·9	000·4	001·2	002·0	**997·0**
24	003·3	004·1	004·8	005·9	006·8	007·4	008·3	009·1	009·5	010·2	010·4	010·5	010·6	010·0	009·9	009·7	009·7	009·1	009·0	008·2	007·2	006·1	004·9	003·5	007·8
25	002·4	001·2	000·1	000·6	001·3	002·1	002·7	003·4	003·8	003·9	004·1	004·5	004·9	004·8	005·1	005·3	005·9	006·4	006·9	007·3	007·6	008·0	008·3	008·9	004·5
26	009·7	010·5	011·2	012·0	013·3	014·5	015·6	016·7	017·3	018·3	018·9	019·2	020·0	020·5	021·4	021·6	022·0	022·7	023·3	023·9	024·3	024·4	024·8	024·9	018·5
27	025·3	025·2	025·2	025·1	025·3	025·6	025·5	025·8	025·9	026·2	025·8	025·5	025·0	024·6	024·1	024·0	023·8	024·2	024·4	024·4	024·4	024·3	024·2	024·0	024·9
28	024·2	024·4	023·8	023·6	023·8	023·8	023·8	024·2	024·3	024·4	024·5	024·6	024·6	024·6	024·8	024·9	025·1	025·8	026·2	026·6	026·8	027·2	027·2	027·2	024·9
29	027·3	027·6	027·6	027·8	027·9	028·2	028·7	029·2	029·5	029·5	029·4	029·4	029·3	029·3	029·1	029·1	029·3	029·2	029·2	029·3	029·5	029·6	029·3	029·2	**028·9**
30	029·0	028·8	028·6	028·6	028·4	028·2	028·3	028·3	028·6	028·3	028·0	027·7	027·2	026·4	025·6	024·9	024·6	024·4	024·3	024·1	023·5	023·1	022·7	022·1	026·5
Mean (Station level)	1014 ·68	1014 ·47	1014 ·24	**1014 ·18**	1014 ·32	1014 ·56	1014 ·84	1015 ·08	1015 ·18	1015 ·21	1015 ·07	1015 ·00	1014 ·78	1014 ·56	1014 ·37	1014 ·25	1014 ·32	1014 ·53	1014 ·87	1015 ·17	1015 ·27	**1015 ·34**	1015 ·27	1015 ·14	1014 ·77
Mean (Sea level)	1015 ·95	1015 ·74	1015 ·51	**1015 ·45**	1015 ·59	1015 ·83	1016 ·11	1016 ·34	1016 ·44	1016 ·46	1016 ·31	1016 ·24	1016 ·01	1015 ·80	1015 ·61	1015 ·49	1015 ·56	1015 ·77	1016 ·12	1016 ·42	1016 ·52	**1016 ·60**	1016 ·53	1016 ·40	1016 ·02

391. Richmond (Kew Observatory) : H_b = 10·4 metres. **October, 1923.**

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	021·6	020·6	020·0	019·7	019·3	018·9	019·0	019·2	019·3	019·1	018·9	018·6	018·4	018·4	018·3	018·4	018·6	018·9	019·3	019·1	019·1	019·3	019·1	019·0	019·2
2	019·2	019·1	018·5	018·7	018·6	018·5	018·6	018·6	018·5	018·2	018·2	017·9	017·5	017·3	016·8	016·3	016·1	015·7	015·9	015·9	015·5	015·3	014·8	013·9	017·3
3	013·4	012·6	011·9	010·8	010·1	008·8	007·5	006·2	005·0	003·7	003·0	000·1	997·8	997·1	997·5	998·5	999·7	000·4	001·2	002·1	002·7	003·6	004·4	004·9	004·5
4	005·8	006·6	007·3	007·8	008·3	009·1	010·2	011·0	011·5	012·0	012·5	013·1	013·8	013·9	014·3	014·8	015·4	016·1	016·4	017·0	017·2	017·4	017·3	017·3	012·5
5	017·1	016·8	016·7	016·7	016·7	016·5	016·6	016·6	016·5	016·4	016·1	015·7	015·1	014·5	014·2	014·0	013·9	013·8	013·6	013·3	013·4	013·2	013·0	012·6	015·2
6	012·5	012·0	011·5	011·0	011·0	010·9	011·2	011·3	011·5	011·7	011·6	011·6	011·5	011·4	011·3	011·6	011·9	012·4	012·8	013·3	013·7	014·0	014·2	014·4	012·1
7	014·5	014·4	014·4	014·6	015·1	015·1	015·3	015·6	015·1	014·9	014·6	014·2	014·2	014·0	013·6	013·1	012·7	012·5	012·2	011·5	010·4	009·3	008·3	007·8	013·4
8	007·4	007·0	007·1	007·3	007·9	008·4	008·9	010·0	010·5	011·0	011·2	011·4	011·4	011·5	011·5	011·6	011·5	011·6	011·5	010·9	009·5	009·1	007·7	007·1	009·7
9	006·2	005·8	005·7	005·4	005·3	005·4	005·6	005·9	006·6	006·8	007·7	008·2	008·9	010·0	010·0	010·8	012·0	012·7	013·8	015·0	015·5	015·8	016·1	016·6	016·8	009·7
10	016·8	016·7	016·7	016·1	016·1	015·5	015·6	015·6	015·3	014·3	013·4	012·7	011·4	010·1	009·0	008·4	008·1	007·9	007·8	007·7	007·5	008·1	008·8	009·3	012·2
11	009·4	009·4	009·2	009·7	010·0	010·0	010·4	011·1	011·8	012·1	012·1	011·7	011·6	011·5	011·2	010·9	010·6	010·6	010·2	010·4	010·3	010·1	009·4	008·8	010·5
12	008·0	006·9	005·5	004·4	003·2	001·3	999·9	996·2	995·5	993·5	992·8	991·5	989·6	988·3	989·0	990·3	991·1	991·8	992·3	992·7	993·2	993·7	993·7	994·2	996·1
13	994·2	993·5	993·1	992·6	992·3	992·0	992·1	992·5	992·8	992·9	993·4	993·6	993·9	994·4	995·3	996·0	996·9	997·8	998·6	999·4	000·2	000·7	001·0	001·2	995·3
14	001·5	001·6	001·9	002·0	002·2	002·5	002·7	002·7	003·0	003·0	003·2	003·1	003·3	003·7	004·0	004·5	005·4	006·5	007·3	008·2	008·9	009·6	010·1	010·9	004·5
15	011·5	011·9	012·2	012·7	013·2	013·4	013·9	014·9	015·3	015·5	015·6	015·5	015·1	015·0	014·9	014·9	015·2	015·5	015·5	015·7	016·0	016·0	015·7	015·6	014·5
16	015·4	015·2	014·9	014·8	014·6	014·6	014·7	015·0	015·3	015·2	015·1	015·0	014·9	015·0	014·9	015·2	015·9	016·5	017·0	017·7	018·8	019·1	019·6	019·7	015·9
17	019·9	020·1	020·3	020·5	020·9	021·3	021·9	022·3	022·9	023·3	023·8	023·4	023·2	023·1	022·9	023·0	023·2	023·5	023·5	023·7	023·8	023·9	023·9	023·7	**022·5**
18	023·6	023·2	022·8	022·3	021·9	021·4	021·2	020·9	020·4	019·8	019·1	018·0	017·0	016·1	015·6	015·1	014·6	014·4	014·0	013·6	013·3	012·8	011·9	011·3	017·9
19	010·0	008·8	007·9	007·1	005·9	005·4	005·3	005·8	005·6	005·8	005·9	006·1	006·0	006·5	007·3	007·3	007·6	007·5	007·5	007·1	007·8	007·4	007·4	007·1	007·0
20	006·5	006·2	005·7	005·7	005·8	005·7	006·3	006·8	007·4	007·7	007·5	007·2	007·0	006·4	006·0	005·4	004·8	003·8	003·5	002·2	000·8	999·7	998·9	997·8	005·0
21	996·7	995·3	993·8	992·4	991·2	990·3	990·7	990·6	990·8	990·9	990·7	990·2	989·6	989·3	989·0	988·9	989·5	990·4	991·7	992·8	993·8	993·8	993·7	993·6	991·7
22	993·3	993·0	992·6	992·4	992·3	992·1	992·0	992·2	992·0	992·0	991·9	991·4	990·5	991·4	991·3	991·7	992·7	993·5	993·9	994·1	994·4	994·3	994·3	994·0	992·6
23	993·8	993·3	992·9	992·4	991·6	990·1	988·8	987·8	985·3	984·1	982·5	980·5	979·3	978·7	978·6	979·1	979·5	979·9	980·6	980·9	981·4	981·3	981·3	981·1	984·6
24	981·0	980·8	980·7	980·8	980·8	980·6	981·1	981·9	983·1	984·1	985·1	985·0	985·0	985·1	984·8	984·6	985·0	985·2	985·0	985·3	986·0	986·4	987·0	987·8	**983·7**
25	988·2	988·7	989·2	989·8	990·5	991·0	991·9	992·9	993·6	994·6	995·4	996·4	997·2	997·6	998·1	998·6	999·1	999·7	000·6	001·1	001·7	001·8	001·4	000·7	995·6
26	999·8	999·0	997·2	995·3	993·2	991·4	991·8	991·6	992·5	994·1	995·7	996·0	996·7	997·4	997·9	998·6	999·5	999·8	999·8	999·1	998·4	997·7	996·8	995·6	996·6
27	994·3	992·8	991·0	989·8	988·8	987·9	987·8	988·3	987·9	987·7	988·2	989·2	989·9	989·9	990·1	990·3	990·8	991·1	991·5	991·6	992·2	992·6	993·2	993·6	990·5
28	993·9	994·0	994·1	994·3	994·0	994·2	994·9	995·6	995·9	996·1	996·3	996·2	996·7	997·4	998·3	998·9	000·4	001·8	003·0	004·2	005·4	006·2	007·1	007·8	998·3
29	008·4	009·5	010·0	010·6	011·2	012·0	012·7	013·6	014·3	014·9	014·9	014·4	014·4	014·2	014·2	014·1	014·3	014·6	014·8	014·8	014·7	014·3	014·1	014·2	013·2
30	014·0	013·9	013·7	013·4	013·4	013·1	013·2	013·4	013·6	013·9	013·7	013·3	012·9	012·6	012·4	012·2	012·3	012·6	012·7	012·9	013·2	013·3	013·7	014·2	013·2
31	014·5	015·0	015·3	015·6	016·0	016·4	017·0	018·2	019·2	019·7	020·2	020·1	020·0	019·9	020·2	020·5	021·0	021·6	020·0	022·2	022·7	022·8	022·9	023·2	019·2
Mean (Station level)	1006 ·85	1006 ·57	1006 ·25	1006 ·02	1005 ·85	1005 ·61	1005 ·76	1005 ·93	1006 ·08	1006 ·10	1006 ·15	1005 ·86	1005 ·61	**1005 ·54**	1005 ·59	1005 ·77	1006 ·13	1006 ·49	1006 ·80	1006 ·97	1007 ·15	**1007 ·19**	1007 ·15	1007 ·07	1006 ·27
Mean (Sea level)	1008 ·11	1007 ·83	1007 ·51	1007 ·28	1007 ·11	1006 ·87	1007 ·02	1007 ·19	1007 ·34	1007 ·35	1007 ·40	1007 ·11	1006 ·85	**1006 ·79**	1006 ·84	1007 ·02	1007 ·38	1007 ·74	1008 ·05	1008 ·23	1008 ·41	**1008 ·45**	1008 ·41	1008 ·33	1007 ·53
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in millibars at exact hours, Greenwich Mean Time.

392. Richmond (Kew Observatory) : H_b (height of barometer cistern above M.S.L.) = 10·4 metres. **November, 1923.**

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	022·9	022·9	022·5	022·3	022·4	022·2	022·0	022·0	021·9	021·7	021·1	020·3	019·6	018·9	018·9	018·8	019·0	019·0	018·8	018·8	018·5	018·3	017·7	017·7	020·5
2	017·7	017·6	017·1	016·9	017·0	016·9	017·1	017·5	017·7	017·8	018·0	017·9	017·7	017·9	018·1	018·4	018·8	019·2	019·4	019·5	019·0	018·5	017·4	016·6	017·9
3	015·6	014·2	012·4	011·6	010·5	010·0	009·9	009·5	008·7	008·5	007·6	007·3	006·3	006·0	005·7	005·0	005·0	005·6	006·5	007·1	007·7	008·5	008·8	009·1	008·8
4	009·5	009·3	009·5	009·4	009·6	009·5	009·7	010·1	010·5	010·3	010·3	009·8	009·5	009·2	009·1	009·1	009·3	009·4	009·4	009·3	009·2	009·1	009·0	008·9	009·5
5	008·4	008·1	007·5	007·3	006·8	006·2	006·0	005·8	005·0	004·8	004·0	002·8	001·6	000·6	999·8	999·3	998·7	998·7	998·5	998·1	998·2	997·9	997·9	998·1	002·7
6	998·5	998·9	999·3	999·8	000·3	001·0	002·1	002·9	003·4	004·2	004·6	004·8	005·1	005·3	005·6	006·2	007·0	007·5	008·1	008·5	009·5	009·6	010·1	010·5	004·4
7	010·8	011·1	011·3	011·7	012·4	012·5	013·1	013·8	013·9	014·2	014·2	014·0	013·8	013·6	013·5	013·6	014·1	014·3	014·4	014·4	014·4	014·0	013·9	013·8	013·3
8	013·8	013·6	013·1	012·4	012·3	011·9	011·6	011·7	011·2	010·4	009·6	008·7	007·3	006·1	005·4	004·9	004·4	003·5	002·8	001·8	000·7	000·6	999·9	998·8	007·7
9	998·1	997·8	997·0	996·7	996·7	996·3	996·3	996·6	996·7	997·0	997·3	997·4	997·8	998·2	999·1	000·3	001·9	003·4	004·8	007·1	008·5	009·5	010·6	011·6	000·4
10	012·6	013·7	014·4	015·3	016·5	017·4	018·6	019·8	020·8	022·0	022·0	021·7	021·9	022·0	022·5	023·3	024·0	024·5	025·2	025·4	025·9	025·9	026·2	026·2	020·9
11	026·1	026·3	026·0	025·6	026·0	025·9	026·4	026·9	026·8	026·6	026·2	025·0	024·7	023·8	023·6	023·6	024·2	023·9	023·6	023·8	023·0	022·8	022·4	021·8	**024·8**
12	020·9	021·1	020·1	019·2	018·6	018·1	018·4	018·3	017·4	016·4	015·4	015·1	014·1	013·2	012·3	012·3	011·6	011·4	011·8	011·5	011·3	010·7	009·8	009·7	015·2
13	008·8	008·1	006·8	006·4	005·5	004·7	003·7	003·4	002·9	002·6	001·8	000·8	999·7	999·2	998·3	997·3	996·4	995·5	994·3	993·0	991·5	989·9	988·4	987·1	999·9
14	985·2	983·5	981·8	981·9	982·4	983·1	984·6	987·0	988·6	990·1	991·1	991·6	992·4	993·4	994·7	995·7	996·7	997·9	998·7	999·7	000·5	001·2	001·6	**991·5**
15	002·0	001·9	001·9	002·1	001·9	000·8	999·8	999·4	996·6	994·3	990·7	987·4	984·7	985·1	985·2	985·1	985·0	984·6	984·5	984·5	984·3	984·3	985·2	986·5	991·9
16	988·8	990·9	992·4	994·2	995·8	997·1	998·3	999·7	000·7	001·6	002·7	003·2	003·6	004·3	004·9	005·4	006·4	006·9	007·0	007·0	006·8	006·1	005·2	004·4	001·0
17	003·0	001·9	999·9	998·9	997·5	998·4	998·7	999·0	999·6	000·5	000·8	001·1	001·6	002·5	003·6	004·4	005·3	006·0	006·7	006·9	006·7	006·7	006·7	006·6	002·6
18	006·5	006·1	005·6	005·1	004·4	003·7	003·4	003·1	003·0	003·1	003·1	002·9	002·6	002·3	001·9	001·3	001·4	001·5	001·6	001·5	001·4	001·4	001·4	001·4	003·0
19	001·1	001·1	000·7	000·4	000·4	000·2	000·3	000·4	000·5	000·8	000·7	000·6	000·4	000·2	000·2	000·4	000·7	001·0	001·4	001·8	002·0	001·8	001·8	001·6	000·9
20	001·6	001·5	001·4	001·2	000·8	000·2	000·2	000·1	999·8	999·5	999·1	998·6	998·3	997·9	998·0	998·0	998·0	998·1	998·2	998·6	998·8	999·0	999·3	999·7	999·5
21	000·0	000·3	000·4	000·6	000·8	000·9	001·3	002·0	002·4	003·0	003·5	003·6	003·5	003·3	003·5	004·1	004·3	004·4	004·5	004·7	005·1	005·1	005·2	005·3	002·9
22	005·3	005·5	005·6	005·6	005·7	005·7	006·0	006·7	007·1	007·5	007·2	007·0	007·0	007·0	007·0	007·1	007·3	007·8	008·1	008·4	008·6	008·8	008·9	009·1	007·0
23	009·0	009·2	009·2	009·3	009·4	009·3	009·5	009·8	010·2	010·6	010·6	010·7	010·5	010·3	010·6	011·1	011·5	011·8	012·3	013·0	013·4	013·9	014·2	014·7	010·9
24	015·1	015·7	016·0	016·4	016·7	017·0	017·6	018·4	018·9	019·4	019·7	019·7	019·7	019·5	019·8	020·0	020·1	020·6	020·8	021·1	021·3	021·4	021·5	021·6	018·5
25	021·6	021·7	021·7	021·7	021·7	021·6	021·5	021·5	021·3	021·5	021·5	021·1	020·6	020·1	019·9	019·5	019·2	018·8	018·6	018·3	018·3	018·0	017·5	017·2	020·3
26	016·6	016·5	016·0	015·5	015·0	014·6	014·0	013·8	013·5	013·4	012·8	011·9	011·1	010·6	010·1	010·1	010·2	010·3	010·3	010·3	010·3	010·2	010·4	010·5	012·6
27	010·5	010·5	010·0	009·9	010·0	009·8	009·8	009·9	010·1	010·3	010·1	009·9	008·8	008·1	007·8	007·6	007·5	007·6	007·8	007·4	007·3	006·8	006·2	006·6	008·8
28	005·1	004·6	003·8	002·5	001·7	001·3	001·0	000·6	999·9	999·6	999·4	998·4	997·8	997·0	997·0	997·1	997·2	997·4	997·2	997·5	997·8	998·0	998·4	998·4	999·7
29	998·7	999·0	999·1	999·3	999·5	999·8	000·5	001·2	002·0	002·6	003·0	003·2	003·3	003·4	004·0	004·8	005·5	006·5	007·7	008·5	009·2	009·8	010·4	011·2	003·6
30	011·8	012·8	013·4	014·3	015·0	015·5	016·5	017·4	017·7	018·4	018·5	018·5	018·3	018·0	018·0	018·5	019·0	019·5	019·6	019·4	019·5	019·5	019·3	019·3	017·2
Mean (Station level)	1008 ·19	1008 ·18	1007 ·86	1007 ·78	1007 ·78	1007 ·72	1007 ·93	1008 ·28	1008 ·29	**1008 ·42**	1008 ·22	1007 ·83	1007 ·44	**1007 ·23**	1007 ·27	1007 ·41	1007 ·66	1007 ·89	1008 ·09	1008 ·23	1008 ·29	1008 ·23	1008 ·16	1008 ·19	1007 ·94
Mean (Sea level)	1009 ·48	1009 ·47	1009 ·16	1009 ·08	1009 ·07	1009 ·02	1009 ·23	1009 ·57	1009 ·59	**1009 ·71**	1009 ·51	1009 ·12	1008 ·72	**1008 ·51**	1008 ·55	1008 ·69	1008 ·94	1009 ·17	1009 ·38	1009 ·52	1009 ·58	1009 ·52	1009 ·46	1009 ·49	1009 ·23

393. Richmond (Kew Observatory) : H_b = 10·4 metres. **December, 1923.**

	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	019·0	018·9	018·4	018·2	017·6	017·4	017·3	017·0	016·7	016·5	015·9	015·4	014·6	013·8	013·3	012·7	012·2	011·6	010·7	009·8	009·1	007·8	006·7	005·9	014·3
2	004·8	003·5	001·8	000·5	999·0	998·0	997·1	996·0	995·8	995·8	995·3	994·7	994·5	994·1	994·2	994·2	994·5	994·9	995·0	995·2	995·4	995·5	995·9	996·2	996·9
3	996·6	997·3	997·6	997·7	997·7	997·7	998·2	998·9	999·6	000·0	000·3	000·3	000·2	000·5	001·1	001·6	002·4	003·1	003·4	004·1	004·8	004·6	004·6	004·8	000·5
4	004·4	004·0	003·2	002·4	001·1	999·3	998·1	996·7	994·6	993·3	991·6	989·9	989·4	989·4	989·3	989·2	989·2	989·1	989·2	989·2	989·3	989·3	989·4	989·5	**994·1**
5	989·4	989·7	989·8	989·8	990·1	990·4	990·8	991·7	992·7	993·6	994·2	994·3	994·7	995·2	996·1	997·4	998·6	000·0	000·8	001·4	002·2	002·8	003·6	004·3	995·3
6	005·8	006·4	006·8	007·5	008·6	009·4	010·5	011·6	012·4	013·1	013·4	013·8	013·7	013·8	014·3	014·7	015·3	015·7	016·0	015·8	015·6	015·6	015·4	015·3	012·3
7	014·8	014·6	014·1	013·1	012·4	011·6	011·1	010·8	010·1	009·8	008·9	008·0	006·1	005·0	004·0	003·0	002·0	001·0	000·2	999·4	998·6	997·5	996·2	995·5	006·6
8	994·7	994·4	994·5	994·4	994·7	994·9	995·4	996·0	996·8	997·7	998·1	998·2	998·3	998·3	998·8	999·2	999·8	000·3	000·8	001·1	001·8	002·7	003·2	003·8	998·1
9	004·1	004·5	005·6	006·3	007·1	008·1	008·9	010·1	011·4	012·2	013·1	013·6	013·8	014·5	015·4	016·7	017·6	018·2	018·9	019·5	020·1	020·7	020·8	021·0	013·1
10	021·4	021·5	021·5	021·4	021·6	021·9	022·1	022·3	022·9	023·4	022·8	022·8	022·5	022·3	022·3	022·7	023·0	023·0	023·5	023·6	023·7	023·7	023·9	024·0	022·6
11	024·1	024·3	024·5	024·7	024·9	025·2	025·4	025·7	026·2	026·7	026·7	026·5	026·1	026·0	026·2	026·4	026·6	026·7	027·0	027·0	027·2	027·1	027·1	027·1	026·0
12	026·9	026·9	026·6	026·5	026·3	026·1	026·1	026·3	026·3	026·7	026·5	026·3	025·8	025·6	025·4	025·6	025·8	025·8	026·0	026·0	026·3	026·4	026·2	026·3	026·2
13	026·2	026·3	026·3	026·3	026·5	026·4	026·4	026·9	027·3	027·8	027·7	027·5	027·1	026·9	027·3	027·8	029·0	029·6	030·8	030·9	031·2	031·9	032·1	032·6	028·2
14	032·7	032·6	033·0	033·1	033·3	033·3	033·6	033·1	033·6	033·7	033·4	032·5	031·2	029·9	029·5	029·1	028·7	028·1	026·9	026·5	025·7	024·9	024·4	024·5	**030·5**
15	024·4	024·3	024·2	024·4	024·9	025·2	025·5	025·8	026·2	026·8	026·9	027·0	026·9	026·6	026·6	027·0	027·2	027·7	027·8	027·8	028·3	028·2	028·3	028·1	026·4
16	027·8	027·5	027·3	027·1	026·4	025·3	025·5	025·4	024·6	024·5	024·0	023·6	023·1	022·6	022·5	022·9	023·0	022·8	023·5	023·4	023·4	023·6	023·8	024·0	024·6
17	024·2	024·0	023·8	023·7	023·4	023·2	023·6	023·8	023·7	023·8	023·6	023·0	022·4	022·2	022·1	022·2	022·1	022·2	021·8	021·7	021·2	021·3	021·2	021·2	022·8
18	020·7	020·3	020·1	020·1	019·8	020·0	020·3	020·7	021·0	021·2	021·7	021·7	021·7	021·7	021·8	022·2	022·9	023·2	023·3	023·8	024·0	023·8	023·7	023·9	021·8
19	023·7	023·4	023·2	022·8	022·4	022·0	022·1	022·4	022·4	022·6	022·6	022·1	021·5	020·9	020·7	020·5	020·6	021·0	021·4	021·5	021·3	021·4	021·1	021·3	021·9
20	021·4	021·3	021·6	022·2	023·2	023·6	024·4	025·6	026·6	027·4	028·6	028·5	028·5	028·6	028·6	029·1	029·7	029·8	030·1	029·9	029·9	029·6	029·1	028·6	026·8
21	027·5	027·4	027·1	026·4	025·3	024·9	024·6	024·2	023·7	023·3	022·4	021·8	020·7	019·8	018·9	018·6	018·5	018·1	017·7	017·2	016·6	016·5	015·7	015·5	021·6
22	014·8	014·1	013·5	012·3	010·9	009·0	007·5	006·1	004·9	003·8	003·1	002·3	001·7	001·5	001·5	001·8	002·0	002·0	002·1	001·8	001·5	001·3	001·6	001·7	005·4
23	001·9	001·9	001·6	001·0	000·8	000·6	000·8	001·9	003·4	004·1	004·7	005·2	006·1	006·7	007·6	008·4	009·4	010·3	010·6	011·0	011·6	012·2	012·7	012·6	005·9
24	012·6	012·6	012·0	011·7	011·0	010·1	009·4	009·0	008·1	007·4	006·1	004·8	003·4	003·0	003·0	003·3	004·5	005·7	007·7	009·5	010·8	012·7	014·3	015·4	008·6
25	016·5	017·6	018·3	018·6	019·2	019·4	019·6	020·3	020·4	020·5	020·2	019·4	018·9	017·7	016·3	014·8	013·5	011·4	008·8	005·4	002·2	000·2	999·2	998·8	014·4
26	997·8	997·3	996·9	996·7	996·9	997·2	997·8	998·8	000·2	002·1	003·5	004·8	005·8	006·7	007·6	008·1	009·0	009·0	009·0	008·5	007·8	006·9	006·2	004·6	003·2
27	003·4	002·5	002·0	002·1	002·0	002·6	003·2	004·1	005·2	006·6	007·4	007·5	007·4	007·0	007·1	007·3	006·6	005·9	005·1	003·4	001·9	999·1	997·2	994·5	004·0
28	992·5	990·7	989·4	988·6	988·3	988·8	990·3	993·7	997·9	000·9	002·8	005·2	007·1	009·1	010·8	012·7	014·5	016·2	017·5	018·6	019·9	021·1	022·1	024·0	004·5
29	025·2	025·9	026·5	027·0	027·4	027·5	028·2	028·9	029·6	030·1	030·1	030·1	029·7	029·4	029·2	029·1	029·0	028·6	027·9	027·4	026·9	026·3	025·6	024·8	027·9
30	023·6	022·3	020·6	019·2	017·8	017·1	015·9	015·2	014·9	014·3	013·1	012·5	012·4	012·5	013·4	014·8	015·9	016·9	017·6	018·4	019·2	019·9	020·5	021·1	017·1
31	021·7	022·8	022·8	023·5	024·9	025·0	025·8	026·2	026·6	026·9	027·3	026·8	026·3	025·9	025·5	024·9	024·9	024·9	024·5	024·1	023·3	022·8	022·1	021·6	024·6
Mean (Station level)	1014 ·34	1014 ·22	1014 ·02	1013 ·85	1013 ·73	**1013 ·59**	1013 ·73	1014 ·04	1014 ·38	1014 ·73	1014 ·71	1014 ·55	1014 ·25	1014 ·10	1014 ·21	1014 ·45	1014 ·77	1014 ·93	**1015 ·02**	1014 ·93	1014 ·87	1014 ·75	1014 ·64	1014 ·63	1014 ·39
Mean (Sea level)	1015 ·64	1015 ·52	1015 ·32	1015 ·15	1015 ·03	**1014 ·89**	1015 ·03	1015 ·34	1015 ·68	1016 ·03	1016 ·01	1015 ·85	1015 ·53	1015 ·39	1015 ·49	1015 ·74	1016 ·07	1016 ·23	**1016 ·32**	1016 ·23	1016 ·16	1016 ·05	1015 ·94	1015 ·93	1015 ·09
G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means

ANNUAL MEANS OF HOURLY VALUES.

From readings in millibars at exact hours, Greenwich Mean Time.

394. Richmond (Kew Observatory) : $H_b = 10{\cdot}4$ metres. **1923.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Station Level	mb. 012·70	mb. 012·59	mb. 012·44	mb. 012·36	mb. 012·38	mb. 012·45	mb. 012·60	mb. 012·79	mb. 012·85	mb. 012·91	mb. 012·83	mb. 012·63	mb. 012·40	mb. 012·23	mb. 012·14	mb. **012·13**	mb. 012·19	mb. 012·35	mb. 012·57	mb. 012·76	mb. 012·89	mb. **012·93**	mb. 012·91	mb. 012·88	mb. 012·58
Sea Level	013·97	013·87	013·71	013·64	013·66	013·72	013·88	014·06	014·11	014·17	014·09	013·89	013·66	013·49	013·39	**013·38**	013·45	013·61	013·83	014·03	014·16	**014·20**	014·19	014·16	013·85

PRESSURE AT STATION LEVEL: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

395. Richmond (Kew Observatory) : $H_b = 10{\cdot}4$ metres. **1923.**

Month	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jan.	1021·52	+0·01	+0·11	+0·06	−0·01	−0·08	−0·13	−0·01	+0·25	+0·42	**+0·48**	+0·43	−0·01	−0·37	**−0·54**	−0·49	−0·40	−0·29	−0·19	+0·09	+0·17	+0·14	+0·15	+0·15	+0·06
Feb.	1001·83	+0·29	+0·23	+0·09	−0·04	−0·09	−0·16	−0·18	−0·03	−0·11	−0·07	+0·01	−0·15	0·28	−0·41	**−0·43**	−0·34	−0·23	0·00	+0·21	+0·27	+0·31	+0·38	+0·33	**+0·39**
Mar.	1016·11	0·06	−0·14	−0·27	−0·31	−0·21	−0·06	+0·20	+0·44	+0·58	**+0·66**	+0·57	+0·41	+0·08	−0·19	−0·43	**−0·55**	−0·49	−0·29	−0·09	+0·03	+0·07	+0·07	−0·02	−0·01
April	1006·77	+0·27	+0·12	−0·04	−0·19	−0·11	+0·07	+0·22	+0·33	+0·31	+0·33	+0·16	−0·07	−0·26	−0·42	−0·61	**−0·70**	−0·61	−0·49	−0·16	+0·23	+0·37	**+0·42**	+0·41	+0·41
May	1012·49	+0·18	+0·01	−0·13	−0·25	−0·15	+0·05	+0·09	+0·19	+0·13	+0·20	+0·07	−0·04	−0·08	−0·20	−0·37	−0·41	**−0·51**	−0·39	−0·16	+0·15	+0·40	+0·40	**+0·45**	+0·35
June	1019·79	+0·04	−0·13	−0·29	−0·30	−0·25	−0·07	+0·08	+0·20	+0·19	+0·28	**+0·33**	+0·27	+0·12	+0·01	−0·17	−0·29	**−0·37**	−0·33	−0·22	−0·04	+0·21	+0·27	+0·27	+0·19
July	1014·96	+0·14	−0·03	−0·07	−0·03	+0·11	+0·31	+0·47	**+0·54**	+0·48	+0·45	+0·33	+0·20	0·00	−0·22	−0·40	−0·60	−0·71	**−0·76**	−0·62	−0·33	+0·01	+0·19	+0·28	+0·26
Aug.	1013·03	+0·09	+0·14	+0·15	+0·20	+0·26	+0·44	+0·63	+0·64	**+0·67**	+0·50	+0·35	+0·11	−0·07	−0·26	−0·52	−0·71	**−0·80**	−0·85	−0·66	−0·35	−0·11	+0·01	+0·12	+0·14
Sept.	1014·77	+0·07	−0·16	−0·41	−0·48	−0·36	−0·13	+0·14	+0·36	+0·45	**+0·46**	+0·31	+0·23	−0·01	−0·24	−0·44	**−·057**	−0·52	−0·32	0·00	+0·28	+0·37	+0·43	+0·34	+0·20
Oct.	1006·27	+0·60	+0·32	−0·01	−0·23	−0·41	−0·65	−0·50	−0·33	−0·18	−0·16	−0·12	−0·41	−0·67	**−0·78**	−0·69	−0·51	−0·15	+0·21	+0·52	+0·69	+0·87	**+0·91**	+0·80	+0·78
Nov.	1007·94	+0·18	+0·18	−0·13	−0·20	−0·20	−0·26	−0·04	+0·31	+0·33	**+0·47**	+0·27	−0·11	−0·49	**−0·70**	−0·66	−0·51	−0·26	−0·02	+0·18	+0·33	+0·40	+0·34	+0·28	+0·31
Dec.	1014·39	−0·01	−0·14	−0·34	−0·52	−0·64	**−0·79**	−0·65	−0·34	0·00	+0·34	+0·32	+0·16	−0·15	−0·29	−0·19	+0·05	+0·37	+0·52	**+0·61**	+0·52	+0·45	+0·33	+0·22	+0·21
Year	1012·49	+0·15	+0·04	−0·12	−0·20	−0·18	−0·11	+0·04	+0·21	+0·27	**+0·33**	+0·25	+0·05	−0·18	−0·35	−0·45	**−0·46**	−0·39	−0·24	−0·03	+0·16	+0·29	**+0·33**	+0·31	+0·27

ABSOLUTE EXTREMES OF PRESSURE AT STATION LEVEL FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

396. Richmond (Kew Observatory) : $H_b = 10{\cdot}4$ metres. **1923.**

Month	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
1	014·7	**998·9**	**020·9**	015·3	001·5	**990·3**	018·8	012·9	023·1	017·1	024·3	018·7	019·0	017·0	011·6	993·7	018·7	011·7	022·1	018·2	023·2	017·5	019·3	005·9
2	013·7	002·8	016·2	014·2	996·8	**990·3**	**021·6**	018·6	**023·2**	021·1	026·2	024·2	018·7	014·3	012;0	007·2	027·1	018·7	019·3	013·9	019·6	016·5	005·9	994·0
3	008·4	002·7	016·8	014·2	002·3	990·4	021·3	014·4	022·3	017·7	024·4	011·3	015·7	014·3	024·8	011·8	028·5	026·2	013·9	997·0	016·6	004·9	004·9	996·2
4	020·2	008·4	020·8	013·1	021·6	002·3	014·4	004·6	017·7	013·7	014·8	009·9	019·8	015·6	**026·7**	022·4	026·3	021·6	017·5	004·9	010·5	008·9	004·9	989·0
5	020·1	999·6	020·6	012·3	021·9	018·6	004·7	003·6	015·6	004·5	016·0	014·0	021·2	019·3	022·5	016·1	027·3	025·0	017·3	012·6	008·9	997·8	004·8	989·3
6	021·0	003·8	012·3	995·6	019·4	007·5	004·8	003·4	016·4	007·4	020·3	013·4	020·9	018·6	018·4	016·3	027·9	024·0	014·5	010·9	010·5	998·1	016·1	004·8
7	020·1	010·6	998·4	985·4	007·9	001·8	005·0	002·9	019·6	016·0	022·8	020·3	019·0	015·3	017·6	015·0	026·5	021·6	015·8	007·8	014·5	010·5	015·3	995·5
8	020·4	011·7	994·4	977·5	016·5	006·0	010·5	004·7	019·3	010·7	022·0	015·6	020·8	016·5	019·1	017·2	027·9	024·3	011·7	006·9	014·0	998·8	003·9	994·2
9	020·2	010·2	006·9	994·4	018·3	016·5	010·6	005·6	011·0	005·1	017·5	014·0	021·0	016·6	020·1	016·6	024·3	016·7	017·0	005·1	011·7	996·1	021·0	003·8
10	010·3	004·7	004·6	998·3	017·2	012·5	006·2	003·3	009·2	002·0	021·7	016·5	017·2	012·7	023·6	020·0	019·0	016·1	017·2	007·3	026·3	011·6	024·0	021·0
11	012·4	006·1	011·9	998·6	023·0	012·7	005·0	001·1	002·0	**992·4**	030·7	021·5	022·4	016·6	025·2	023·1	019·1	014·4	012·2	008·7	**027·0**	021·8	027·2	024·0
12	024·1	012·2	016·6	011·9	024·2	019·0	001·8	993·6	005·5	996·9	**031·1**	019·9	022·2	019·5	025·9	022·0	014·5	011·4	008·8	987·7	021·9	009·6	027·1	025·4
13	027·7	023·8	020·8	016·0	024·2	016·6	995·5	**991·6**	005·0	000·9	020·1	013·6	020·1	016·8	022·1	017·9	012·7	006·0	001·2	992·0	009·8	987·1	032·6	026·2
14	027·4	020·3	020·7	016·4	025·7	024·1	998·4	993·1	007·3	003·0	021·5	017·1	018·9	015·9	021·5	016·4	006·0	998·9	010·9	001·2	001·6	**981·6**	**033·7**	024·3
15	029·9	027·4	016·6	008·2	024·5	018·8	000·5	997·7	006·9	002·4	020·9	009·7	015·9	010·6	021·9	015·7	007·1	998·5	016·1	010·9	002·2	984·2	028·6	024·1
16	029·8	026·7	008·9	005·5	023·5	020·9	015·5	000·5	010·9	001·1	018·9	**009·5**	012·5	008·8	022·6	016·5	016·8	007·1	019·8	014·5	007·2	986·9	028·1	022·4
17	032·9	029·6	008·9	002·7	024·9	022·0	019·0	015·5	017·4	010·7	022·4	018·9	012·5	011·2	016·5	002·7	016·9	996·2	**024·0**	019·7	007·0	997·3	024·3	021·1
18	035·0	029·7	007·9	991·0	025·8	023·9	017·8	006·5	018·7	017·2	022·3	019·2	018·2	011·9	009·6	001·0	005·7	**992·2**	023·7	011·3	006·7	001·3	024·0	019·7
19	035·3	018·6	999·2	992·6	023·9	018·6	006·5	003·7	017·2	011·9	019·7	017·2	019·3	018·1	013·5	009·6	011·2	005·7	011·3	005·3	002·0	000·2	024·0	020·3
20	026·6	015·8	005·8	999·2	018·7	015·5	005·3	002·5	012·3	008·5	024·8	016·9	023·9	018·9	012·9	008·2	008·8	004·7	007·7	997·8	001·9	997·9	030·2	021·2
21	029·6	026·5	001·2	988·3	016·9	014·8	005·0	997·7	014·3	008·1	024·7	021·7	026·0	023·7	008·2	000·8	008·8	996·2	997·8	988·7	005·3	999·7	028·6	015·5
22	029·1	026·1	990·8	**976·1**	016·0	013·3	008·1	998·3	015·2	014·1	024·3	020·9	**026·1**	020·7	012·9	003·2	008·3	997·5	994·4	990·5	009·1	005·3	015·5	001·3
23	036·8	027·3	992·4	976·3	013·7	010·7	014·0	008·0	019·0	012·4	025·5	023·4	020·7	010·7	013·2	998·5	002·0	994·2	994·0	**978·2**	014·7	008·9	012·8	000·4
24	035·9	033·2	995·3	988·1	019·2	013·7	018·4	013·9	022·4	018·0	024·2	020·7	014·1	010·7	010·2	997·0	010·7	002·0	987·8	980·6	021·6	014·7	015·4	002·8
25	**038·4**	035·7	002·2	995·3	023·3	018·2	014·5	997·4	018·0	007·4	020·9	018·4	012·6	007·8	017·3	010·2	008·9	000·0	001·8	987·8	021·8	017·2	020·6	998·7
26	037·4	032·4	999·8	979·6	023·5	020·9	004·6	994·3	012·1	008·8	020·6	017·5	014·2	009·6	010·8	002·4	025·0	008·8	000·8	990·6	017·2	010·1	009·4	996·6
27	032·4	024·9	984·9	978·7	021·1	015·0	011·3	004·6	016·0	011·9	021·3	019·3	016·7	012·0	003·1	001·4	026·2	023·7	995·8	987·1	010·6	006·0	007·6	994·9
28	026·7	024·7	993·8	984·9	021·3	015·8	012·1	010·1	019·6	014·1	022·5	020·8	012·0	001·5	013·4	002·7	027·3	023·6	007·8	993·6	006·1	996·9	024·0	**988·3**
29	024·7	015·7	—	—	026·6	021·1	011·0	008·9	019·5	016·8	022·8	020·5	007·0	004·0	013·2	**989·2**	**029·6**	027·2	014·9	007·8	011·2	998·4	030·2	024·0
30	021·7	010·2	—	—	**027·7**	022·1	017·1	010·6	020·8	017·4	020·9	016·8	004·9	999·1	014·5	996·6	029·2	022·1	014·3	012·2	019·6	011·2	024·8	012·3
31	023·1	020·7	—	—	022·1	013·2	—	—	021·7	017·8	—	—	999·2	**990·8**	014·4	011·6	—	—	023·2	014·2	—	—	027·3	021·1
Mean	1025 ·35	1017 ·65	1006 ·77	997 ·49	1019 ·13	1013 ·13	1009 ·98	1004 ·12	1015 ·46	1009 ·91	1022 ·34	1017 ·38	1017 ·18	1012 ·87	1016 ·75	1009 ·13	1018 ·28	1011 ·21	1010 ·79	1002 ·10	1012 ·68	1003 ·23	1019 ·87	1008 ·98

NOTE. –When pressure exceeds 1000 mb. the leading figure 1 is not printed, *i.e.*, 1005·6 mb. is written 005·6. This rule does not, however, apply to monthly means.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

397. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

January, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	76·6	76·6	76·5	76·4	76·0	75·5	74·7	74·0	73·8	74·3	75·5	76·6	77·7	78·2	78·0	77·4	76·8	76·2	76·0	76·1	76·6	77·4	78·5	79·1	76·4
2	79·5	79·6	80·0	80·0	80·1	80·5	80·9	81·4	82·4	83·0	83·5	83·8	84·0	84·0	84·2	84·1	83·6	83·8	80·9	80·8	81·2	81·2	81·0	81·0	81·8
3	81·0	80·7	80·5	80·3	80·0	80·1	79·9	79·7	80·0	80·6	81·5	82·4	82·2	82·1	81·1	80·4	80·3	79·8	79·1	78·4	78·1	78·0	77·5	76·9	80·1
4	76·6	76·6	76·6	76·1	75·5	75·1	75·4	76·2	76·8	77·1	78·7	79·2	80·2	80·7	80·1	79·2	78·0	77·2	76·4	75·5	75·1	73·4	73·0	72·8	76·8
5	72·1	72·3	71·6	71·5	71·3	71·6	72·5	73·5	75·5	77·0	78·1	80·0	80·8	80·8	80·5	79·6	79·6	79·7	80·0	80·4	79·5	79·4	79·3	79·0	76·8
6	78·5	78·4	78·0	77·6	76·9	76·2	75·1	74·8	74·7	75·9	77·0	78·0	78·8	79·0	78·8	77·6	76·5	76·0	75·8	75·4	75·0	74·6	74·5	74·6	76·7
7	75·0	75·2	76·2	77·3	77·6	78·3	78·9	79·5	80·0	80·6	80·9	81·6	82·4	83·1	83·4	83·0	83·0	83·1	83·0	83·0	82·8	82·7	82·9	82·9	80·5
8	82·9	82·9	82·5	82·4	82·5	82·5	82·5	82·6	83·0	83·6	84·0	84·0	83·6	83·9	82·5	82·6	82·0	81·0	80·0	79·0	77·9	77·4	76·6	76·0	81·7
9	75·5	74·9	74·5	75·4	76·3	77·1	78·3	79·5	80·4	80·9	81·6	82·1	80·9	80·9	80·6	80·0	79·0	77·7	77·6	77·5	77·1	77·3	77·3	77·0	78·3
10	77·0	76·9	76·9	77·0	76·5	76·0	76·0	76·8	77·2	78·0	78·5	79·6	80·0	80·1	80·2	79·3	78·6	77·9	77·3	76·7	76·5	76·5	76·6	76·1	77·6
11	76·1	75·6	75·1	75·1	74·8	74·4	74·1	73·5	74·0	75·6	76·9	78·0	78·6	79·0	79·0	78·5	77·9	77·0	77·0	76·5	76·4	76·2	76·3	76·6	76·3
12	77·0	77·4	77·5	77·6	77·3	76·8	76·1	76·0	75·5	75·8	77·1	78·3	78·8	79·2	79·1	78·3	77·4	76·6	75·6	75·6	74·8	74·1	73·7	73·5	76·7
13	73·1	72·6	72·6	72·6	72·0	71·4	71·7	71·8	72·6	72·2	72·9	73·2	73·5	73·7	74·2	74·3	74·5	75·2	75·6	76·1	76·6	76·9	77·2	77·5	73·8
14	77·6	77·9	78·3	78·6	78·7	79·1	79·5	79·7	80·2	81·0	82·6	83·9	83·5	83·1	83·2	83·0	82·7	81·4	80·5	79·1	78·3	77·0	76·7	76·3	80·1
15	76·1	76·1	75·7	75·2	75·1	75·1	77·1	77·6	77·7	78·1	78·2	78·8	79·1	79·7	79·1	79·2	79·0	78·7	78·2	78·1	78·1	77·8	77·6	77·8	77·6
16	77·7	78·6	79·0	79·3	79·2	81·1	80·2	80·3	80·2	80·7	80·7	80·5	80·4	80·5	80·5	80·2	80·0	79·6	79·0	78·1	77·3	76·2	75·2	74·2	79·2
17	73·4	72·1	71·9	71·1	71·3	70·1	70·2	70·2	70·3	70·6	70·6	71·0	70·9	71·1	70·9	70·9	69·9	69·8	69·5	70·7	72·2	72·6	73·0	73·2	**71·2**
18	73·4	73·2	73·6	73·9	74·1	74·5	74·8	75·1	75·4	76·1	77·0	79·0	80·1	80·9	80·6	79·5	78·6	78·4	77·8	77·3	77·6	77·4	77·3	76·6	76·7
19	76·1	75·1	74·6	73·6	73·3	73·6	74·2	74·6	74·6	75·4	76·1	78·1	78·9	78·9	79·0	79·2	79·7	80·4	80·6	81·2	81·1	81·0	81·0	81·1	77·5
20	81·5	81·7	81·6	80·1	79·9	79·7	79·6	79·0	79·0	79·1	78·6	78·9	78·7	79·1	78·5	78·1	77·0	76·3	75·8	75·6	75·1	74·8	74·6	74·4	78·3
21	74·1	74·1	73·7	73·6	73·3	72·5	72·2	72·2	73·4	74·1	74·9	76·1	76·6	77·1	77·6	77·6	77·5	77·5	77·6	77·6	78·1	78·1	78·2	78·6	75·6
22	79·6	79·3	79·1	78·4	77·7	77·6	77·4	77·0	76·8	77·6	81·1	82·2	82·6	83·1	83·1	82·9	82·4	81·6	81·2	80·9	80·4	80·3	80·7	81·2	80·1
23	80·0	78·5	77·6	77·0	76·2	75·3	74·6	74·0	74·2	75·4	76·6	78·1	78·6	78·7	78·6	78·1	76·8	75·1	74·1	73·7	74·1	73·6	73·3	73·1	76·2
24	73·3	73·3	73·6	73·7	73·6	73·6	73·9	75·1	76·1	77·6	78·4	79·4	80·0	80·9	80·7	80·6	80·5	80·5	80·8	81·0	80·7	80·6	78·6	78·0	77·6
25	77·1	77·6	78·4	78·6	78·8	78·9	78·5	78·1	78·6	79·7	80·6	81·7	82·5	83·0	83·4	83·0	82·5	81·7	81·0	79·9	78·5	77·5	76·6	77·1	79·7
26	77·1	77·2	77·1	77·5	77·9	78·4	78·5	78·5	78·7	79·1	79·5	79·9	80·2	80·5	80·5	80·5	80·5	80·0	80·1	79·9	79·7	79·6	79·5	79·5	79·1
27	79·4	79·2	79·0	79·0	79·0	78·7	78·7	78·7	78·9	79·5	79·7	80·2	80·8	81·4	81·9	81·5	81·3	80·9	80·3	79·8	79·0	78·2	78·3	77·8	79·7
28	77·5	77·6	77·4	78·4	78·7	78·8	78·7	78·9	79·5	80·4	81·4	82·0	82·4	82·6	82·3	82·1	81·8	81·3	80·9	80·5	80·3	80·0	79·7	79·5	80·1
29	79·3	79·1	79·0	79·4	79·4	79·1	79·4	79·2	80·3	81·5	82·0	81·9	81·8	81·7	81·9	82·1	81·9	82·0	82·1	82·1	82·1	82·4	82·3	82·0	80·9
30	81·9	82·0	81·9	81·0	81·0	80·9	81·4	81·5	82·0	82·4	83·2	84·3	84·4	85·0	84·9	84·7	84·5	84·4	84·2	83·9	83·9	83·9	83·4	82·5	83·0
31	82·4	82·5	81·9	81·9	82·2	82·5	82·6	82·7	82·9	83·5	83·8	84·7	84·4	84·8	84·5	84·5	84·9	84·9	84·8	84·4	84·2	84·4	83·8	83·5	**83·6**
Mean ...	77·4	77·3	77·2	77·1	77·0	**76·9**	77·0	77·1	77·6	78·3	79·1	79·9	80·2	**80·5**	80·4	80·1	79·6	79·2	78·8	78·5	78·3	78·1	77·9	77·7	78·4

398. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

February, 1923.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	83·5	83·6	83·9	83·9	84·0	84·1	84·2	84·3	84·5	84·7	85·0	85·2	85·4	85·3	84·9	85·2	85·3	85·3	84·8	84·7	84·7	84·4	84·3	84·1	84·5
2	84·0	83·9	83·8	83·9	84·0	84·0	83·9	83·9	84·3	84·6	85·1	85·4	85·5	85·4	85·1	85·2	85·1	85·0	85·0	84·7	84·6	84·5	84·7	84·8	**84·6**
3	84·8	84·7	84·6	84·5	84·4	83·8	83·6	83·5	83·5	84·0	84·5	84·5	84·8	84·5	84·0	83·5	82·7	82·2	82·0	81·2	81·1	81·0	81·0	80·9	83·4
4	80·9	80·7	80·2	80·4	80·5	80·2	79·6	79·5	79·2	81·0	81·2	81·6	82·2	82·0	81·7	81·9	80·6	80·0	78·9	76·6	75·9	75·5	74·2	72·9	79·6
5	72·1	71·8	71·4	71·5	71·1	70·6	70·6	71·0	72·8	76·0	78·0	79·6	81·0	81·5	81·5	80·8	79·4	78·2	77·4	77·0	76·9	76·4	76·1	76·3	75·7
6	76·9	77·2	77·0	76·5	76·5	76·8	77·3	77·0	78·0	78·5	78·9	78·2	79·0	78·5	78·0	78·7	78·4	78·8	78·0	77·9	78·6	79·4	79·3	78·5	77·9
7	78·0	77·5	77·1	76·4	77·1	78·5	79·1	79·5	80·1	80·0	80·0	80·5	81·5	82·5	82·8	82·9	82·0	82·9	83·1	83·2	83·4	83·6	83·7	84·0	80·7
8	84·1	83·1	83·1	83·1	82·7	82·6	82·6	82·9	82·8	82·9	83·0	82·7	80·5	80·8	81·8	81·6	81·4	80·7	80·1	79·4	78·2	77·6	77·0	78·2	81·5
9	77·5	77·0	76·9	77·8	78·0	77·7	76·7	76·2	76·9	78·4	79·0	80·2	81·5	82·0	82·5	82·4	80·9	79·6	79·2	78·9	79·3	79·9	80·0	80·1	79·1
10	80·2	80·3	80·5	80·5	80·6	80·6	80·8	80·3	80·1	80·4	80·5	80·6	80·3	79·9	80·2	80·3	80·5	80·6	80·7	80·7	80·6	80·6	81·0	81·5	80·5
11	81·5	81·2	81·1	80·6	79·7	79·3	79·4	79·6	80·6	81·7	82·2	82·7	82·4	83·3	83·2	82·2	81·4	80·5	80·1	79·3	78·9	79·6	79·6	79·6	80·9
12	79·1	78·6	77·8	77·1	76·1	76·1	75·2	74·4	75·1	75·2	77·7	80·1	81·6	81·6	81·6	81·1	80·6	80·2	80·2	79·6	79·2	79·1	78·8	78·9	78·6
13	79·0	79·2	79·1	78·7	78·2	78·1	78·1	78·1	78·2	78·7	79·1	79·0	79·3	79·6	79·4	79·5	79·3	79·2	79·2	79·0	78·9	78·5	78·1	78·0	78·8
14	77·7	77·6	77·2	77·1	77·1	76·9	77·0	77·2	77·3	77·5	77·5	77·5	77·6	77·9	78·3	78·5	78·4	77·5	77·0	76·5	76·5	76·6	76·5	76·0	77·3
15	76·0	75·9	76·1	76·1	76·0	75·3	75·5	75·7	76·0	76·1	76·3	77·1	79·0	80·0	80·5	80·5	79·8	79·5	79·5	79·6	80·0	80·0	80·0	80·4	77·9
16	80·5	80·6	80·9	80·4	79·5	78·2	77·6	77·4	78·3	79·5	81·3	82·4	82·4	82·6	82·4	82·0	80·4	79·4	79·5	79·6	80·0	80·5	80·5	80·5	80·3
17	79·9	79·9	80·5	79·7	78·9	78·5	78·3	78·0	78·0	80·2	81·5	81·8	81·6	81·4	81·0	81·2	80·8	78·9	78·0	77·2	77·0	77·0	76·7	76·5	79·4
18	76·0	75·7	75·3	75·0	75·0	75·0	75·0	75·1	75·5	76·4	77·5	78·5	79·1	79·6	81·0	81·2	81·0	79·9	79·0	78·9	77·9	77·3	76·0	75·8	77·4
19	76·1	75·1	74·7	75·3	75·0	75·4	75·8	76·0	76·5	76·6	76·5	76·6	76·6	76·5	76·1	75·7	75·3	75·2	75·2	75·1	75·2	74·9	74·7	74·6	75·6
20	74·7	74·6	74·7	74·7	74·6	74·7	74·6	74·5	74·7	74·8	75·0	75·5	75·2	75·5	75·2	75·1	75·1	75·2	74·8	74·6	74·2	73·9	73·7	73·8	**74·7**
21	74·2	74·1	74·6	75·0	75·2	75·6	76·2	76·7	77·5	77·7	79·5	81·3	80·1	78·1	79·2	80·0	79·5	77·7	77·7	76·9	76·7	76·0	75·7	75·6	77·1
22	75·1	75·2	74·6	74·4	74·1	73·8	73·5	73·2	75·8	78·4	80·2	80·9	80·8	81·1	80·2	79·1	78·3	79·1	79·2	79·3	78·5	78·2	77·6	77·7	77·4
23	77·5	77·6	77·9	78·0	77·7	77·5	77·5	77·2	77·2	77·5	77·5	78·0	79·4	80·3	81·0	81·4	80·5	78·5	76·9	76·0	75·8	75·3	77·6	77·5	78·0
24	78·0	78·9	79·0	79·1	79·1	79·2	79·3	79·5	80·1	80·6	81·1	80·8	80·7	81·0	81·0	80·5	80·8	80·8	80·7	80·6	80·5	80·3	80·4	80·0	80·0
25	80·0	80·0	79·6	79·5	79·0	78·9	78·3	78·4	79·4	80·1	80·6	81·5	82·3	82·6	82·2	82·7	83·0	81·5	80·2	78·2	78·8	79·6	79·5	79·9	80·2
26	80·9	81·1	81·4	81·4	81·1	81·0	80·7	80·9	81·4	82·6	84·2	85·3	85·3	85·0	84·8	84·5	83·4	82·5	81·5	81·1	81·0	80·1	80·9	81·0	82·2
27	80·4	79·9	80·2	80·1	79·6	79·5	79·6	80·0	81·4	82·1	82·4	82·7	83·4	83·1	83·1	83·0	82·3	81·8	81·4	81·0	81·0	81·0	81·0	81·1	81·3
28	81·1	81·0	80·9	81·4	81·4	81·3	80·6	80·4	81·4	82·0	82·6	83·0	83·8	82·9	83·4	82·9	82·1	81·5	79·6	79·5	79·4	79·2	79·6	79·4	81·3
Mean ...	78·9	78·8	78·7	78·7	78·4	78·3	78·2	**78·2**	78·8	79·6	80·3	80·8	81·1	81·2	**81·3**	81·2	80·7	80·1	79·6	79·1	79·0	78·9	78·9	78·8	79·5
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

399. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) =3·0 metres.

March, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·4	80·0	80·1	80·1	79·9	80·0	80·3	80·6	81·0	81·5	81·9	82·5	82·9	83·6	83·8	84·0	83·1	81·6	81·4	81·4	81·1	81·4	81·6	82·4	81·4
2	82·9	81·8	81·4	80·8	80·0	79·2	79·1	79·5	80·6	81·6	82·7	83·1	83·7	84·2	84·2	83·8	82·7	81·0	80·4	79·6	79·3	78·8	78·2	77·5	81·2
3	77·4	76·4	76·0	75·5	74·9	74·2	73·9	74·2	74·3	76·1	78·8	81·1	82·1	83·1	83·8	83·6	82·9	81·9	80·5	79·0	77·7	76·9	76·5	76·1	78·2
4	76·7	76·9	76·7	76·5	76·0	75·6	76·0	77·0	77·5	78·0	78·5	79·1	80·4	79·9	81·1	81·0	80·7	79·6	78·9	78·3	78·3	77·8	77·4	76·8	78·1
5	76·0	74·6	74·0	73·9	74·4	75·0	75·0	75·0	76·7	79·0	80·9	81·5	82·0	82·4	82·4	81·4	81·4	81·0	79·8	79·0	79·5	79·6	79·0	78·1	78·4
6	77·9	77·0	77·7	77·6	77·3	77·6	77·9	77·8	77·6	80·1	82·0	83·3	83·7	84·0	83·5	82·7	81·9	81·6	81·5	80·4	79·6	79·0	78·6	78·6	79·9
7	78·5	78·4	78·4	78·0	78·5	78·2	78·0	79·1	80·1	81·5	80·5	81·2	83·0	81·0	81·2	81·6	81·4	80·6	80·1	80·5	81·0	80·8	80·2	80·3	80·1
8	80·1	79·6	79·1	79·5	79·4	78·2	78·0	78·6	79·0	79·0	79·2	80·0	80·7	80·5	81·0	79·9	79·6	78·8	78·0	77·5	77·2	77·1	76·8	76·6	79·0
9	76·2	76·0	75·9	75·6	75·5	75·3	75·3	75·6	75·7	75·9	76·4	76·8	77·2	77·3	77·8	78·2	78·4	78·2	78·0	77·6	77·4	77·0	77·0	76·8	**76·7**
10	76·7	76·6	76·6	76·3	76·1	75·7	75·7	75·8	76·2	76·6	77·1	77·7	79·1	80·1	79·7	79·7	79·3	78·5	77·2	76·6	77·1	77·8	77·9	77·7	77·4
11	77·7	77·6	77·3	77·2	76·5	76·1	75·8	76·0	76·6	77·1	78·1	78·7	79·1	79·1	79·1	79·1	78·7	78·2	78·1	77·6	77·5	77·4	77·2	77·1	77·6
12	76·4	74·8	74·0	73·4	73·4	72·5	72·8	73·8	77·0	78·8	80·5	80·9	80·8	81·0	80·8	80·3	79·4	78·7	78·5	77·9	77·6	77·6	77·7	78·2	77·3
13	78·6	78·6	78·8	79·0	79·0	79·0	79·0	78·6	78·7	78·3	78·6	79·1	79·5	79·5	79·6	79·6	79·6	79·7	79·8	79·8	79·6	79·0	78·5	77·7	79·1
14	77·1	76·9	77·1	77·6	77·6	77·6	77·6	77·8	78·0	78·9	79·5	79·6	79·6	79·9	78·7	79·0	78·6	78·5	78·2	77·8	77·4	77·1	76·9	76·8	78·1
15	76·7	76·5	76·5	76·3	76·5	76·5	76·5	76·8	77·0	77·3	77·5	77·8	77·7	78·0	78·0	77·9	77·5	77·5	77·5	77·6	77·9	78·0	78·1	78·3	77·3
16	78·0	78·1	78·0	78·0	78·1	78·1	78·5	79·0	79·4	79·8	80·5	80·9	80·5	79·9	79·7	79·4	79·1	78·9	78·7	78·9	79·0	78·9	78·9	78·9	79·0
17	79·0	79·1	79·4	78·3	77·9	78·0	78·2	78·6	79·2	79·6	80·2	81·0	81·4	82·6	82·5	82·3	81·4	80·6	80·0	79·6	79·2	79·1	78·6	78·4	79·8
18	78·4	78·1	78·0	77·7	77·2	77·0	77·0	78·0	78·7	79·5	80·2	80·7	81·7	81·9	81·3	81·1	80·6	80·1	79·6	79·2	78·9	78·5	78·0	77·9	79·1
19	78·0	77·6	77·1	76·9	76·6	76·1	76·6	77·9	78·5	79·4	80·2	81·1	81·5	82·3	81·7	81·1	80·1	79·7	79·3	79·2	78·5	77·5	77·2	76·8	78·8
20	75·6	75·1	74·9	74·7	73·8	73·2	73·9	74·9	75·7	76·6	77·4	79·1	81·1	82·1	82·9	82·7	82·7	81·7	81·1	81·0	80·6	80·2	80·1	80·1	78·3
21	79·6	79·6	79·6	79·6	79·2	79·2	79·0	79·1	79·6	80·1	80·5	82·1	83·8	84·6	84·9	84·0	82·6	82·0	81·5	80·5	79·2	78·5	77·0	76·0	80·6
22	77·0	76·2	76·6	76·5	76·6	76·9	77·2	77·5	78·0	78·6	79·3	80·1	81·0	81·5	81·9	82·1	81·6	81·4	80·8	80·5	79·9	79·0	79·0	77·9	79·0
23	77·2	77·9	78·2	78·4	78·7	78·5	78·6	78·6	79·0	79·5	80·1	80·7	80·9	80·3	80·4	80·4	80·1	80·0	79·7	79·5	79·4	79·0	79·0	79·0	79·3
24	78·6	78·6	78·5	78·5	78·2	78·1	77·6	78·4	79·3	80·5	81·6	83·0	84·0	84·9	85·4	85·9	85·7	83·9	81·9	80·5	79·4	78·5	78·4	79·3	80·8
25	79·7	78·2	79·1	78·3	78·9	78·8	79·0	80·0	82·9	85·3	85·9	86·5	87·0	86·9	87·7	87·0	87·0	87·0	84·6	83·5	83·3	82·3	82·1	82·0	83·0
26	81·9	81·5	81·6	81·6	81·7	81·6	81·9	82·5	83·3	85·1	87·5	89·2	89·2	89·5	89·1	89·5	89·0	87·9	85·9	84·8	82·9	80·9	79·9	82·5	84·6
27	81·7	80·4	81·8	79·5	78·7	78·3	78·9	83·9	86·7	88·5	89·9	91·5	91·9	91·9	91·5	92·8	91·4	89·7	88·7	87·9	87·0	85·7	85·3	84·9	**86·1**
28	84·8	84·4	84·0	83·8	83·8	83·4	83·4	83·5	84·3	84·7	85·7	86·6	87·1	87·1	86·5	85·5	84·1	83·2	82·1	82·1	82·6	82·6	82·3	82·1	84·2
29	82·0	81·7	81·5	81·7	81·6	81·6	81·9	82·2	82·7	84·0	84·5	83·5	84·6	85·5	84·9	83·7	82·4	82·4	82·1	81·0	80·2	80·0	79·8	79·9	82·4
30	79·6	79·4	79·3	79·2	79·5	79·0	79·4	80·6	82·4	84·0	85·0	86·4	86·3	86·4	85·9	85·9	85·6	85·0	84·0	83·2	82·6	82·5	82·5	82·1	82·7
31	82·0	81·9	81·4	80·9	80·5	80·6	81·1	82·0	83·4	84·0	85·5	87·0	87·0	86·4	86·2	86·0	86·5	84·7	83·6	81·4	81·5	81·4	81·1	81·0	83·2
Mean ...	78·7	78·4	78·3	78·1	77·9	**77·7**	77·8	78·5	79·3	80·3	81·2	82·0	82·6	**82·8**	82·8	82·6	82·1	81·4	80·7	80·1	79·7	79·3	79·1	79·0	80·0

400. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

April, 1923.

	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	79·5	78·7	78·7	78·8	79·0	78·7	79·6	80·3	80·8	81·9	83·0	84·6	86·3	86·2	85·6	85·4	85·1	84·5	83·8	83·3	82·7	81·5	80·9	80·5	82·1
2	80·0	79·5	79·4	79·5	79·5	79·9	80·9	81·2	82·0	83·2	84·5	85·4	86·5	87·0	87·3	86·5	84·9	83·8	82·9	81·9	81·3	81·0	80·5	80·1	82·5
3	80·0	79·6	79·5	79·1	79·0	79·1	79·3	80·2	81·7	83·4	84·9	85·4	87·0	87·5	87·5	87·8	86·9	85·0	83·9	82·3	82·3	81·4	80·3	79·4	82·6
4	79·0	78·6	78·4	78·2	78·1	77·6	78·3	80·9	83·7	86·0	87·1	88·6	89·0	89·7	89·7	89·0	87·4	85·6	84·4	83·8	82·9	82·1	82·1	81·6	83·4
5	81·6	81·4	81·0	80·9	81·0	81·1	81·4	82·5	83·9	84·5	85·3	85·6	86·0	85·8	85·1	85·0	83·3	82·6	82·1	82·2	82·2	82·0	81·9	81·8	82·9
6	81·7	81·5	81·5	80·7	80·2	80·0	79·9	80·0	80·1	80·6	80·6	80·6	80·8	81·2	81·5	81·0	80·6	80·6	80·2	80·0	79·8	79·6	79·3	79·3	80·5
7	79·2	79·1	79·2	79·3	79·4	79·3	79·6	80·1	81·1	82·5	83·8	84·7	85·6	86·6	86·9	87·4	86·0	85·7	84·9	83·1	82·4	81·6	81·3	80·4	82·4
8	80·4	80·4	81·4	81·3	80·9	80·3	80·0	80·2	79·9	80·5	80·9	80·4	81·0	81·0	82·5	81·8	81·1	80·7	80·1	79·5	79·0	78·9	78·6	78·5	80·4
9	78·0	76·2	75·8	75·4	75·6	75·6	76·6	77·8	78·1	78·0	78·0	78·3	78·0	77·9	78·2	78·3	78·1	77·6	76·4	75·4	75·4	75·0	74·3	73·9	**76·8**
10	73·5	73·1	73·1	73·5	73·6	73·5	74·5	76·1	77·3	79·5	80·7	82·5	83·6	84·5	84·8	85·2	85·3	85·1	83·7	83·4	83·4	83·8	83·4	83·8	79·8
11	83·4	82·6	82·4	82·4	82·5	82·6	82·9	83·7	84·5	86·4	86·9	88·0	89·0	89·2	87·1	87·1	87·1	86·7	86·2	85·7	84·8	84·4	83·4	83·5	85·1
12	84·8	84·4	84·3	84·0	83·9	83·9	85·2	85·8	85·4	85·0	87·0	89·9	90·8	88·5	86·4	85·9	85·8	84·9	84·8	83·7	83·1	83·4	83·3	82·9	**85·3**
13	82·4	82·3	82·6	83·1	80·9	80·5	81·0	82·5	83·9	84·8	85·9	86·2	85·9	85·8	85·4	84·6	84·0	82·4	82·0	82·0	81·8	81·5	80·6	79·5	83·1
14	79·0	78·5	78·5	78·2	77·7	78·4	80·0	81·4	82·1	82·0	82·7	81·7	84·5	83·2	83·3	83·1	82·6	82·8	81·0	79·5	79·0	78·3	77·3	76·9	80·5
15	77·0	77·0	76·5	76·5	76·0	76·6	79·2	81·3	82·4	83·8	84·5	84·5	84·9	84·4	84·1	84·4	84·0	82·2	82·1	82·0	81·8	81·5	80·9	80·0	81·1
16	79·5	79·4	79·5	79·5	80·1	80·7	81·1	81·8	82·5	83·9	84·5	84·5	84·5	84·2	84·6	84·6	84·5	83·1	82·3	80·6	80·6	80·0	79·6	79·2	81·9
17	79·1	78·7	78·3	78·2	78·1	78·1	78·5	78·6	79·1	80·1	81·4	82·0	82·6	83·1	83·2	83·2	82·6	81·5	81·1	80·6	80·3	80·0	79·6	79·1	80·3
18	78·6	79·0	79·0	78·9	79·0	79·2	79·5	80·0	80·8	81·1	81·6	82·0	83·3	83·5	83·6	83·6	83·1	82·0	80·8	79·8	79·6	79·5	79·5	79·4	80·7
19	79·2	79·1	79·1	78·9	78·7	79·0	79·5	79·8	81·0	81·2	81·5	81·4	82·2	82·6	83·2	83·0	82·6	82·5	82·0	81·2	80·9	80·1	80·1	79·6	80·8
20	79·1	78·0	78·1	78·1	77·8	78·5	79·1	79·7	80·7	81·5	81·5	83·6	84·9	84·7	85·5	84·8	83·8	83·6	82·9	81·7	80·7	79·7	78·7	78·1	81·1
21	77·4	76·8	76·7	76·7	76·8	76·9	77·5	78·5	79·5	80·5	81·3	82·1	82·7	84·1	83·9	84·1	83·1	81·6	80·8	80·5	80·9	81·0	81·6	81·1	80·2
22	81·3	81·5	81·0	80·8	80·3	80·4	80·6	80·7	81·6	83·1	84·6	85·1	86·0	85·7	85·2	85·4	85·1	84·3	82·2	80·7	79·6	79·0	77·6	76·9	82·1
23	76·6	75·9	75·1	74·8	74·1	74·0	75·4	77·6	79·1	79·6	80·0	80·5	82·0	81·6	82·8	82·5	82·8	82·6	82·2	81·7	81·1	79·6	78·9	78·6	79·1
24	78·1	77·3	77·0	76·7	76·5	76·3	77·0	78·2	79·4	80·0	80·6	81·6	82·0	82·4	83·4	83·5	83·4	83·3	81·6	79·7	78·8	78·4	78·0	77·4	79·6
25	76·3	75·5	75·9	76·6	78·6	80·1	80·4	81·0	81·5	82·2	82·6	83·2	83·6	84·3	84·6	84·6	84·5	84·4	84·0	83·3	83·3	83·0	82·9	82·5	81·5
26	82·2	81·6	81·5	81·0	80·9	80·7	81·0	82·2	83·1	83·3	84·9	86·0	84·1	83·4	82·1	84·0	84·0	83·1	82·1	81·1	80·6	80·1	79·3	78·5	82·2
27	78·2	77·7	77·5	77·0	76·8	77·3	78·6	80·0	81·4	82·5	82·5	83·9	84·4	84·5	85·5	85·0	85·0	84·9	83·3	82·1	81·6	80·5	79·5	78·0	81·2
28	78·5	78·1	77·9	78·0	77·6	78·4	79·4	80·3	82·0	83·5	84·0	84·8	85·7	85·9	84·3	84·4	85·0	84·9	83·8	82·6	81·5	80·6	80·1	79·9	81·7
29	79·9	80·7	80·9	81·3	81·4	81·5	82·0	82·4	83·4	83·9	84·3	83·7	85·6	85·9	86·3	86·5	86·1	86·4	85·7	84·4	83·9	83·9	84·0	83·7	83·6
30	83·3	83·3	83·4	84·0	84·1	84·4	85·3	85·8	85·4	85·8	86·0	86·9	86·7	88·3	87·4	87·7	87·1	86·5	85·9	85·6	85·3	84·9	85·0	84·4	85·5
Mean ...	79·6	79·2	79·1	79·1	**78·9**	79·1	79·8	80·7	81·6	82·5	83·2	83·9	84·6	**84·8**	84·7	84·7	84·2	83·5	82·6	81·8	81·3	80·9	80·4	79·9	81·7
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

401. Richmond (Kew Observatory): North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

May, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·3	84·4	84·3	84·3	84·3	84·4	85·2	86·4	86·9	87·9	88·0	88·3	87·9	88·3	89·0	90·3	89·9	90·0	87·9	86·8	85·1	83·8	82·5	82·4	86·4
2	81·8	81·1	80·3	81·0	81·4	82·1	83·5	85·2	86·6	87·9	89·4	90·2	90·9	91·9	92·3	93·0	92·9	92·1	91·9	89·0	88·0	88·0	87·4	86·3	87·2
3	85·0	83·9	84·3	85·2	85·2	85·6	86·6	87·9	89·9	90·9	92·3	93·1	94·0	95·4	95·6	95·1	95·5	95·7	94·0	90·5	89·1	87·8	86·4	85·3	89·8
4	84·4	83·8	83·3	83·1	82·7	84·0	86·9	89·9	93·2	95·4	95·6	96·5	97·0	96·5	96·6	97·1	97·9	97·1	95·1	92·3	90·8	89·6	88·6	87·7	91·0
5	87·1	86·6	85·5	85·1	84·5	85·6	87·4	89·8	91·1	90·3	92·5	94·7	96·7	96·5	96·1	97·1	98·1	97·2	95·8	93·9	91·8	90·5	89·0	88·6	**91·3**
6	87·6	87·0	86·5	86·6	86·5	87·3	86·8	86·0	87·0	88·4	89·2	89·9	91·1	91·9	92·7	93·1	92·6	92·1	91·0	89·6	88·5	87·7	87·1	86·6	88·9
7	86·0	85·6	85·2	85·0	84·6	84·7	85·6	86·8	87·6	88·5	89·1	89·5	89·8	89·7	89·6	89·4	89·0	87·4	86·3	85·5	85·1	84·1	83·1	83·2	86·8
8	83·4	83·3	82·8	83·0	83·5	83·6	84·1	84·8	85·6	86·7	87·7	88·5	89·1	89·6	89·5	89·1	88·4	87·6	86·7	86·1	85·6	85·6	85·1	83·9	86·0
9	84·1	84·1	83·7	83·2	82·7	82·9	83·2	84·5	84·7	85·6	87·2	86·7	88·1	86·9	86·9	89·2	86·1	85·7	84·3	83·1	81·8	80·7	80·2	79·2	84·5
10	79·2	78·8	78·8	77·9	77·6	78·2	79·4	79·6	78·9	78·5	79·7	81·8	80·7	82·4	83·7	83·7	84·4	84·1	83·0	82·2	81·1	80·5	80·6	80·2	80·6
11	80·1	80·3	80·7	80·5	79·8	80·0	80·6	81·5	82·1	82·9	83·8	84·3	84·3	84·2	82·9	81·3	83·4	81·7	79·9	80·3	79·8	78·5	77·9	77·3	81·2
12	76·6	76·0	75·4	75·1	75·3	75·9	77·4	79·0	80·5	80·8	81·7	79·7	78·1	80·8	80·7	79·2	80·6	82·0	81·3	80·1	78·9	79·0	78·3	78·0	**78·8**
13	77·3	77·5	78·0	77·7	77·4	77·8	78·3	78·4	79·6	80·4	81·6	82·7	83·7	83·2	84·7	84·0	84·1	83·7	83·0	81·1	80·5	80·6	79·2	79·2	80·5
14	78·7	78·6	78·2	78·2	78·1	78·8	79·9	81·2	81·8	82·1	83·3	83·8	84·7	85·1	85·6	85·6	85·6	85·0	83·7	83·1	82·6	81·7	81·7	81·3	82·0
15	81·3	81·2	80·7	80·0	80·2	80·8	82·2	82·8	83·8	84·3	83·4	84·2	80·4	83·5	82·1	82·6	82·7	83·9	79·9	79·7	79·2	79·0	78·3	78·0	81·5
16	78·1	77·6	77·1	76·7	77·2	78·1	79·1	80·2	79·7	80·8	82·5	80·2	81·9	77·6	82·2	82·3	82·2	80·6	81·2	79·4	79·0	78·3	77·8	77·2	79·5
17	77·2	76·8	76·9	76·7	77·2	77·6	77·6	78·7	80·2	80·6	80·2	82·1	82·2	82·1	84·4	84·2	84·2	83·2	83·2	81·6	80·4	79·7	79·0	78·4	80·2
18	78·8	78·7	77·9	77·9	78·7	78·9	79·6	81·2	81·8	81·6	82·5	83·3	83·2	83·5	83·3	83·3	83·1	82·5	81·8	81·6	81·2	80·6	79·8	79·3	81·0
19	78·9	78·8	78·3	78·4	78·7	79·3	80·9	82·1	83·5	84·8	85·0	85·6	85·9	84·9	85·1	85·6	85·7	85·6	85·1	84·6	83·9	83·5	83·0	82·7	82·8
20	82·5	82·3	82·1	81·9	82·0	82·5	83·9	83·6	84·9	86·3	86·0	86·3	87·0	88·3	86·1	85·6	85·6	85·3	85·0	84·4	84·0	83·8	83·7	83·7	84·4
21	83·7	83·6	83·6	83·6	83·6	84·0	84·4	84·8	85·9	86·1	86·7	87·6	87·1	87·1	87·5	88·0	87·6	87·8	86·8	86·1	85·3	84·1	82·6	81·7	85·4
22	81·1	81·1	81·2	81·5	82·1	82·7	83·1	83·1	84·4	85·8	86·9	87·5	88·1	89·0	90·1	90·1	90·6	88·8	88·1	87·6	87·1	86·3	85·6	85·6	85·7
23	85·1	84·9	84·9	84·8	84·7	85·1	85·6	86·3	87·0	87·6	86·6	87·2	85·6	86·0	84·2	82·7	81·6	81·1	80·7	80·5	80·3	80·1	79·8	79·6	84·0
24	79·0	77·8	77·2	76·6	76·9	77·4	78·9	80·7	81·8	82·6	83·6	84·6	85·6	86·3	86·1	86·2	87·0	87·3	87·1	84·7	82·5	81·5	80·8	80·4	82·2
25	79·7	78·8	78·3	77·8	78·8	79·3	80·3	81·8	83·9	83·1	84·1	85·7	86·5	85·8	87·0	84·8	84·3	85·9	85·1	83·2	82·3	81·8	80·5	79·3	82·4
26	78·8	78·6	78·1	77·7	77·3	78·8	79·2	81·3	82·4	83·4	84·8	85·1	85·3	85·7	86·2	85·7	85·6	84·8	84·2	83·6	83·2	82·1	81·2	81·1	82·2
27	80·9	80·9	80·5	79·3	79·6	79·5	80·2	81·3	82·1	82·6	83·1	83·2	83·7	84·6	84·3	83·4	82·8	82·1	81·0	80·7	80·5	80·5	80·4	80·4	81·6
28	80·4	80·2	80·3	80·4	80·7	81·1	81·6	81·3	82·2	81·5	84·0	84·3	85·2	85·0	84·3	85·5	86·2	85·8	83·3	82·5	82·3	81·4	80·9	80·7	82·5
29	80·4	80·3	80·1	80·2	80·4	80·9	81·9	82·4	81·9	81·3	81·8	82·2	82·7	82·8	82·9	82·9	83·1	82·8	82·3	82·4	82·2	81·9	82·0	81·8	81·8
30	80·9	80·0	80·3	80·0	80·2	80·4	80·9	81·5	82·0	83·8	85·2	86·7	88·1	88·7	88·9	89·3	87·3	87·1	85·8	85·0	84·2	83·6	83·0	82·3	83·9
31	81·9	81·3	80·8	80·7	80·3	80·2	80·2	80·6	80·7	81·1	81·6	82·2	82·8	83·7	84·4	84·7	85·1	84·7	84·1	83·3	82·9	82·5	82·0	81·7	82·2
Mean ...	81·4	81·1	80·8	**80·7**	80·7	81·2	82·1	83·1	84·0	84·6	85·5	86·1	86·4	86·7	**86·9**	86·9	86·9	86·5	85·4	84·3	83·5	82·9	82·2	81·7	83·8

402. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

June, 1923.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	ia.	*a.*	*a.*	*a.*	*a.*	*a.*
1	81·0	81·3	81·2	81·2	81·0	81·2	81·6	82·2	82·7	83·2	83·8	84·7	85·8	85·7	86·4	85·5	84·9	84·8	85·0	84·7	84·1	83·7	82·9	82·7	83·4
2	82·2	82·0	81·7	81·5	81·2	81·4	81·7	82·4	83·1	83·2	83·3	83·5	83·9	83·8	84·2	84·0	83·9	83·7	83·2	82·7	82·4	82·0	81·5	80·2	82·7
3	78·4	77·7	75·6	76·7	77·5	79·0	80·9	82·5	85·1	87·1	88·8	90·4	91·9	92·2	93·2	92·6	91·7	90·6	89·2	87·2	86·2	85·2	84·3	83·4	85·3
4	83·2	82·4	82·2	81·8	82·0	81·6	81·9	81·6	82·2	82·6	83·1	82·7	83·2	83·8	83·7	83·3	83·4	83·1	82·8	82·1	81·7	81·2	80·7	80·4	**82·4**
5	80·0	79·8	79·3	79·2	79·5	79·7	80·6	81·0	81·6	80·7	81·2	82·0	83·7	84·7	86·2	85·9	86·8	87·0	86·2	85·5	84·7	84·6	84·2	84·2	82·8
6	84·1	84·0	84·3	84·1	84·0	84·3	84·2	84·2	83·9	84·7	85·6	86·5	86·6	84·0	84·6	84·1	84·5	84·1	84·2	84·0	83·1	83·1	83·2	83·5	84·3
7	83·4	83·1	83·4	83·5	83·3	83·7	84·6	86·1	86·9	87·7	88·1	88·1	88·6	88·8	89·9	90·2	89·9	89·7	89·1	88·0	86·6	86·2	86·1	84·7	86·6
8	83·6	82·7	82·6	82·7	83·5	84·1	85·2	86·1	86·7	88·1	88·3	89·1	89·9	89·6	89·7	88·7	87·3	87·0	86·6	86·1	85·9	85·7	85·7	85·0	86·3
9	85·5	85·6	85·5	85·6	85·7	86·0	86·5	87·1	87·7	88·5	89·0	89·3	89·5	89·6	89·7	90·4	90·5	90·0	89·8	88·6	88·3	87·5	87·4	87·4	87·9
10	87·5	87·5	87·4	87·2	87·5	87·9	88·5	88·5	88·0	87·9	87·9	87·5	90·2	91·4	91·9	92·1	91·6	91·1	89·1	87·5	86·4	85·4	84·8	84·1	88·4
11	83·6	83·5	83·0	82·6	83·5	84·1	85·1	86·5	87·4	87·6	87·4	87·5	88·6	89·4	89·5	89·6	89·5	88·6	88·0	86·4	85·0	84·0	83·0	82·0	86·1
12	81·0	80·1	79·9	80·0	81·1	82·7	84·0	85·5	86·5	87·0	87·8	88·8	89·6	89·0	88·4	87·8	87·1	85·9	85·5	85·1	85·0	84·5	84·9	85·1	85·0
13	85·5	85·6	85·1	86·3	87·0	87·3	88·1	89·4	90·4	90·1	91·8	92·8	93·1	93·0	93·1	93·1	90·9	89·7	88·1	87·2	87·0	86·6	85·6	85·1	88·9
14	85·1	84·7	84·5	84·2	83·8	83·8	84·8	85·1	86·2	86·7	87·1	87·8	88·2	87·7	88·4	88·8	89·1	88·9	88·4	87·1	86·6	85·5	84·5	83·6	86·3
15	83·6	83·1	82·6	82·6	82·6	83·3	83·7	85·1	86·7	87·6	87·2	87·2	87·6	86·3	86·4	86·5	87·0	86·7	86·6	86·6	86·4	86·3	86·2	85·8	85·5
16	85·1	84·2	83·2	83·1	82·9	83·2	82·6	83·1	83·3	82·0	82·1	83·0	83·9	83·6	84·9	85·0	85·0	85·3	84·7	84·0	83·5	82·9	82·7	82·2	83·6
17	81·8	81·8	81·8	81·3	81·3	81·2	81·8	83·0	83·7	83·9	84·7	85·0	85·7	85·8	86·7	86·9	87·6	86·8	86·6	85·3	83·5	81·7	81·2	79·8	83·8
18	79·1	79·2	78·8	79·9	80·2	80·7	81·7	83·3	84·9	86·3	86·1	86·9	88·3	87·6	88·4	87·7	87·6	87·6	87·8	87·1	86·5	85·8	85·7	85·6	84·6
19	85·6	85·5	85·3	85·0	85·1	85·5	85·6	86·1	86·7	87·1	87·7	87·0	88·1	87·8	88·5	87·9	87·8	87·8	86·7	86·1	85·5	84·7	84·1	83·7	86·3
20	83·4	83·2	83·0	82·8	82·8	83·0	83·6	83·9	84·4	85·1	86·1	86·7	86·1	86·7	86·5	85·5	85·1	85·0	85·1	84·8	84·1	84·0	83·9	83·9	84·5
21	83·5	82·8	82·5	81·8	81·9	82·9	85·0	86·1	88·0	89·1	89·9	90·3	91·5	91·4	91·0	90·0	89·5	89·4	88·6	88·4	88·0	87·6	87·2	86·5	87·1
22	89·4	86·1	86·1	86·2	86·6	87·7	89·2	90·1	91·2	90·7	91·5	92·5	93·6	93·1	93·4	93·9	92·6	91·7	92·6	91·1	89·6	88·6	87·3	86·4	89·9
23	86·1	85·2	84·7	84·2	84·3	86·1	87·6	89·7	90·5	91·6	93·1	94·1	94·9	95·6	96·8	96·5	96·6	96·1	96·2	95·1	92·7	92·0	91·5	90·9	**91·2**
24	90·2	89·7	89·2	89·0	89·1	90·0	90·1	90·2	90·7	91·9	91·8	92·7	92·6	92·2	93·4	93·2	93·0	92·2	91·6	91·1	90·6	90·1	89·6	89·2	91·0
25	88·7	88·1	87·2	87·0	87·1	87·8	88·5	88·2	88·8	88·9	87·5	88·1	87·6	86·1	85·5	85·2	85·0	85·0	84·5	84·0	84·0	83·1	83·4	83·4	86·5
26	83·6	83·2	82·5	82·9	83·0	83·5	84·5	85·7	86·8	87·0	87·0	86·7	85·6	85·9	87·1	88·3	88·0	88·1	87·0	86·2	85·2	83·6	83·4	81·9	85·3
27	82·5	82·1	80·8	81·5	81·6	83·0	84·7	86·0	87·9	88·5	88·0	88·2	89·6	90·5	90·5	92·0	90·6	91·1	90·1	89·6	87·6	86·1	85·3	84·8	86·7
28	84·2	84·0	83·9	84·1	84·3	84·8	85·7	87·5	88·9	89·9	91·1	91·8	92·1	92·6	92·5	92·1	91·8	91·7	91·7	90·6	89·2	87·9	87·1	84·7	88·5
29	85·1	84·7	84·2	83·6	83·4	84·1	85·1	86·9	88·6	90·2	91·5	93·1	94·4	95·4	96·0	96·2	96·6	96·7	95·0	91·5	90·1	89·0	87·4	86·5	89·8
30	85·5	84·7	84·2	83·5	84·1	84·8	86·0	87·5	89·4	90·5	91·8	92·2	92·1	92·4	92·6	92·2	91·4	90·8	90·4	90·2	89·6	88·9	88·5	87·1	88·8
Mean ...	84·0	83·6	83·3	**83·2**	83·4	83·9	84·8	85·7	86·6	87·2	87·7	88·2	88·9	88·9	**89·3**	89·2	88·9	88·5	88·0	87·1	86·3	85·6	85·1	84·5	86·3
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

403. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

July, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	86·7	86·7	86·5	85·7	85·6	85·6	86·0	86·7	88·1	88·9	88·6	87·5	88·5	89·1	90·8	91·1	91·1	90·4	89·6	89·1	88·3	87·6	87·2	86·9	**88·0**
2	86·1	84·8	84·2	83·7	83·6	84·8	86·3	87·9	88·9	90·1	90·5	91·5	93·0	93·2	92·9	92·7	92·5	92·3	91·2	90·2	88·9	88·1	87·0	86·0	88·8
3	85·5	85·2	84·0	84·5	84·6	85·1	87·0	89·9	90·5	90·4	90·2	90·6	91·2	90·7	90·8	90·3	90·7	89·9	89·9	89·9	89·4	88·8	88·6	88·5	88·5
4	88·2	87·5	87·5	87·5	87·7	87·9	89·3	89·7	90·8	91·0	92·1	92·0	93·5	93·9	94·7	95·0	95·2	94·5	94·8	92·3	90·5	89·5	87·5	86·0	90·8
5	85·1	85·3	84·2	83·7	85·0	86·5	88·3	90·8	93·2	94·3	96·4	98·1	99·5	00·7	01·3	01·4	01·9	99·4	97·7	95·1	93·3	92·2	91·5	91·0	93·1
6	90·4	89·9	89·2	89·0	89·4	90·4	91·8	93·8	95·6	97·7	00·0	01·4	02·2	02·6	03·1	02·3	02·0	01·0	99·4	97·0	95·0	94·0	93·1	92·2	95·9
7	91·6	91·1	90·9	90·5	91·0	93·0	95·7	98·9	99·5	00·6	00·5	02·4	02·5	03·4	03·1	03·6	03·9	02·4	01·6	99·0	97·2	96·2	95·0	94·4	97·8
8	93·3	92·4	92·0	91·5	91·5	91·2	90·5	90·6	90·5	91·4	93·4	94·1	95·7	97·4	99·1	98·7	99·4	98·7	97·1	96·4	93·2	92·0	90·6	89·5	93·9
9	88·9	86·9	86·2	86·7	86·9	87·9	89·4	91·3	93·5	95·3	96·3	97·7	98·9	00·0	01·4	01·7	99·8	98·5	96·9	94·9	93·6	93·2	91·4	90·2	93·6
10	90·4	90·1	90·4	90·6	90·7	91·1	91·5	91·4	93·0	95·9	96·8	97·8	99·3	00·3	00·6	00·9	00·2	99·5	93·9	92·5	93·5	92·5	92·1	91·7	94·4
11	91·7	90·7	90·3	90·0	89·9	91·9	92·9	94·8	95·8	96·9	99·1	00·1	01·4	02·3	03·4	03·7	03·7	04·2	03·5	01·4	97·6	96·8	96·0	95·7	97·2
12	94·6	93·9	93·4	92·9	92·7	94·3	95·8	97·8	00·3	02·2	02·9	03·1	04·3	04·5	04·9	04·7	05·1	03·9	02·3	00·1	98·6	97·6	96·4	95·6	**99·3**
13	95·5	94·5	94·0	93·5	93·4	93·9	95·1	97·4	99·7	01·4	02·6	03·9	04·7	04·8	03·8	02·6	02·5	02·1	01·8	98·5	96·6	94·5	94·0	93·4	98·6
14	92·6	92·1	92·3	91·6	92·7	92·6	92·7	93·2	93·7	95·1	95·8	96·3	97·7	99·2	99·2	98·7	98·8	99·4	98·8	97·0	95·2	94·3	93·8	93·3	95·3
15	93·2	92·5	91·8	91·1	91·3	92·5	92·9	93·7	95·5	96·1	97·3	97·3	97·5	97·8	95·8	94·4	93·9	94·3	93·3	91·6	91·9	90·7	90·0	90·2	93·7
16	90·0	89·7	89·7	90·0	90·4	90·6	91·3	92·0	91·8	93·5	94·5	94·6	94·9	95·2	95·5	95·2	95·7	94·6	94·3	93·3	91·3	90·4	89·5	88·9	92·4
17	87·9	87·0	86·2	86·1	87·0	88·0	88·8	90·5	91·6	92·0	91·7	92·5	90·9	93·4	91·7	89·6	90·6	90·1	88·5	89·4	89·5	89·0	87·5	88·1	89·5
18	86·4	86·6	86·8	86·6	86·5	87·0	87·6	88·4	89·5	90·5	91·5	91·6	91·8	92·8	93·3	92·6	92·2	92·1	91·6	90·8	90·2	89·2	87·6	87·4	89·6
19	86·3	85·8	85·1	84·2	84·7	85·2	86·1	88·6	90·1	91·7	92·5	92·1	91·5	90·2	89·8	89·8	89·6	89·5	89·0	88·7	88·7	88·7	89·1	89·5	88·6
20	89·7	90·2	90·1	89·6	89·7	90·1	90·7	92·1	93·4	94·3	94·9	95·9	97·0	97·9	98·7	99·5	00·0	00·1	99·5	96·7	95·0	93·5	92·4	91·0	94·2
21	89·9	88·9	88·2	88·6	89·0	89·2	90·0	91·0	92·2	93·2	94·5	95·6	96·2	98·0	98·4	98·8	98·8	99·0	98·1	96·0	94·3	93·2	92·0	91·0	93·5
22	90·5	89·6	89·0	88·5	88·5	89·5	90·4	92·4	92·4	93·6	94·5	95·4	95·6	96·2	96·3	97·0	97·0	96·5	96·0	94·0	92·2	90·6	89·5	88·6	92·7
23	88·0	87·4	87·0	86·6	86·7	88·0	89·0	89·9	91·0	92·0	93·0	95·1	94·7	94·5	91·9	92·1	92·0	91·5	91·5	90·5	90·4	90·5	90·5	90·1	90·5
24	89·9	89·6	88·6	87·5	87·5	87·5	88·2	89·2	90·1	90·5	91·5	92·4	93·6	94·7	95·6	96·4	96·5	96·3	95·1	93·6	92·1	91·0	91·1	90·9	91·6
25	90·5	90·2	90·4	90·0	90·5	91·0	91·3	91·5	91·2	91·2	93·1	92·6	90·5	90·7	90·7	91·1	91·1	91·7	92·0	90·6	89·7	88·8	88·1	87·4	90·7
26	87·1	86·6	85·8	85·5	85·5	85·6	86·5	87·6	88·4	88·6	89·5	90·1	91·0	91·8	91·3	91·8	92·0	91·6	90·4	89·1	88·0	87·1	86·4	85·7	88·5
27	84·7	84·2	83·2	82·8	83·3	84·5	85·4	86·6	87·8	89·1	89·9	90·5	91·6	92·1	92·3	91·7	91·6	91·1	90·7	89·9	89·8	89·5	89·1	89·1	88·3
28	89·1	89·0	89·0	88·6	88·8	89·2	90·0	90·1	91·2	91·6	91·0	90·3	90·6	90·5	91·7	93·2	91·9	90·8	90·5	89·6	87·7	87·2	86·9	86·5	89·8
29	85·9	85·6	85·2	85·0	85·1	86·1	87·1	88·7	90·2	91·6	92·0	92·9	92·2	92·9	93·3	93·6	92·7	91·8	91·4	90·7	90·7	89·8	89·2	89·2	89·7
30	89·0	88·5	88·4	88·1	88·0	88·1	88·9	89·6	90·3	90·8	91·7	92·4	94·1	94·5	92·1	91·3	91·9	91·1	90·5	89·9	89·6	88·9	88·6	88·6	90·2
31	87·9	87·5	87·0	86·7	86·8	87·8	88·2	88·7	90·0	90·6	91·0	91·6	91·1	90·5	90·4	89·1	88·3	87·7	87·6	85·9	85·6	85·7	85·1	84·7	88·2
Mean ...	89·3	88·7	88·3	**88·0**	88·2	88·9	89·8	91·1	92·3	93·3	94·2	94·8	95·4	96·0	**96·1**	95·9	95·9	95·3	94·5	93·0	91·9	91·0	90·2	89·7	92·2

404. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

August, 1923.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	84·3	84·4	84·2	83·9	83·7	85·1	86·6	87·8	89·1	89·9	91·1	91·5	92·7	93·2	93·5	93·4	93·3	93·5	92·7	91·1	90·0	89·3	88·5	87·6	89·1
2	86·8	87·1	87·4	86·9	86·6	88·0	89·0	90·5	91·6	92·9	94·0	94·0	94·8	94·1	92·5	92·1	94·1	93·6	92·8	90·5	89·2	88·3	87·7	87·4	90·5
3	87·0	86·6	86·5	86·2	86·2	86·5	87·5	88·5	89·6	90·0	91·1	92·1	93·3	93·5	93·8	94·0	93·6	93·1	91·9	90·0	88·6	87·7	86·6	86·3	89·6
4	85·3	83·9	83·2	83·3	83·1	85·0	86·1	87·6	89·5	90·6	92·5	93·0	94·0	95·9	96·2	96·4	97·3	95·0	93·1	90·9	88·6	87·0	85·8	84·8	89·5
5	83·5	83·0	82·3	81·6	81·6	84·9	87·9	90·5	93·2	94·6	96·0	96·7	97·2	98·1	98·3	97·0	97·3	97·0	96·7	94·1	90·6	91·0	89·5	88·6	91·2
6	88·4	87·9	87·5	86·5	86·1	86·6	87·0	88·3	90·0	91·4	93·1	94·0	95·4	96·4	96·5	97·1	97·0	97·3	95·5	93·6	91·8	89·8	89·0	88·4	91·4
7	88·6	88·5	87·0	86·4	86·0	87·2	88·4	90·6	92·1	93·3	93·8	94·2	95·9	96·9	97·4	97·1	97·2	97·8	96·4	94·0	92·7	91·6	90·1	89·3	92·2
8	88·6	88·4	88·3	88·0	87·5	88·5	89·8	90·5	92·4	93·3	94·9	97·0	97·9	99·2	00·5	00·6	01·1	99·9	99·5	95·7	93·8	91·9	89·6	88·4	93·6
9	87·4	86·9	87·0	85·9	85·9	87·4	89·3	91·4	93·6	95·9	97·4	99·4	00·4	01·3	01·7	01·0	00·9	00·0	98·7	96·7	95·2	94·2	92·7	91·7	94·2
10	90·4	89·5	89·1	88·6	88·0	88·6	89·9	90·4	91·9	93·2	95·0	96·1	96·5	96·6	98·0	97·2	97·7	97·2	96·1	94·1	93·3	92·1	91·8	90·5	93·0
11	89·7	88·7	88·5	87·9	87·6	87·6	89·6	91·4	92·3	93·3	93·7	94·9	95·5	96·0	96·0	96·4	96·4	96·0	95·0	93·1	91·6	90·0	88·7	87·0	92·0
12	86·7	86·3	84·5	85·5	84·6	85·6	88·8	91·0	93·1	94·6	95·4	96·0	96·9	98·0	98·6	97·6	97·0	96·5	94·9	92·4	90·1	90·4	89·5	88·9	91·7
13	88·4	87·2	86·1	86·5	86·1	86·6	89·5	92·5	94·4	96·8	98·1	99·6	00·0	00·1	00·5	00·2	99·5	99·2	98·3	96·1	94·9	94·0	93·0	92·0	94·1
14	91·5	90·7	91·1	91·2	91·2	91·5	92·2	93·6	94·8	96·0	97·0	97·1	98·4	97·5	98·5	98·4	98·5	98·5	97·5	94·4	93·5	92·8	93·4	93·2	**94·7**
15	93·1	92·0	89·9	89·4	88·4	87·9	87·6	87·5	87·5	87·9	88·4	90·5	91·5	92·3	92·5	92·5	92·5	91·9	90·5	88·5	87·5	86·5	85·8	84·6	89·6
16	84·0	83·4	82·6	82·2	82·6	83·1	84·5	86·2	87·7	88·6	89·1	90·0	90·6	91·4	91·6	91·2	92·0	91·0	90·2	89·5	88·9	88·4	87·7	87·0	87·6
17	86·5	86·4	86·4	86·5	86·6	86·9	87·5	89·0	90·5	90·5	89·3	89·2	90·2	90·7	90·8	91·8	90·7	91·2	90·4	89·8	89·4	88·8	88·7	88·1	89·0
18	87·8	87·8	87·8	87·8	87·7	88·1	88·2	88·8	89·8	90·7	91·5	91·2	87·2	88·1	88·7	89·9	90·5	90·1	90·2	88·6	87·6	86·9	86·7	86·6	88·7
19	86·0	85·2	85·1	84·9	84·6	85·5	87·0	88·1	89·7	90·7	91·1	91·1	91·3	92·0	92·1	91·7	91·4	91·0	90·5	89·7	89·2	88·7	88·2	87·8	88·8
20	87·7	87·2	86·8	86·8	86·6	87·1	87·4	88·1	88·7	89·5	90·0	90·4	90·9	91·5	93·0	93·6	92·7	92·3	91·5	91·4	90·9	90·5	89·9	89·8	89·7
21	90·2	90·5	90·5	90·1	90·1	90·2	90·4	90·5	93·0	93·0	93·0	92·6	92·4	92·2	92·7	93·2	93·7	92·8	90·9	89·2	88·0	87·5	86·5	85·9	90·9
22	85·9	85·7	85·4	85·2	85·2	85·4	86·3	87·2	88·3	89·6	90·5	90·7	91·0	92·3	92·8	92·5	91·6	91·0	89·6	88·2	87·4	86·4	85·9	85·3	88·3
23	84·7	84·5	84·2	83·8	82·8	83·6	85·9	87·5	89·0	91·0	91·7	91·6	91·5	91·4	89·3	88·0	87·5	87·0	86·6	86·5	86·9	86·7	86·9	87·2	87·3
24	87·8	88·0	87·7	86·5	85·8	86·0	87·5	88·0	87·6	88·5	90·2	90·4	89·1	89·7	89·1	90·6	90·4	88·6	88·4	88·0	87·7	87·0	85·7	84·7	88·1
25	84·6	85·3	84·7	83·9	82·8	83·0	84·0	86·1	87·3	88·2	89·0	90·4	90·4	90·3	90·1	89·5	89·0	88·6	88·3	87·9	88·0	87·8	87·5	87·7	87·2
26	88·1	88·4	88·5	88·4	87·9	88·3	88·8	89·3	90·8	91·6	91·1	92·1	92·7	92·8	93·9	93·6	93·4	92·6	90·5	89·1	88·4	87·6	87·3	86·7	90·1
27	86·4	86·0	85·5	85·0	84·5	85·1	86·4	87·3	88·3	88·4	89·6	90·5	88·1	88·4	89·7	88·7	88·6	87·7	86·7	86·1	86·0	86·2	86·1	85·5	87·1
28	85·1	85·1	85·1	85·2	84·6	84·6	85·1	86·0	87·1	87·6	88·4	90·0	90·1	90·4	90·1	89·0	89·0	89·0	87·6	86·4	85·3	84·6	84·1	83·6	86·8
29	83·0	82·7	82·6	82·6	82·5	83·2	84·1	84·1	84·5	84·8	86·1	86·6	86·1	86·1	86·1	86·6	87·0	88·5	88·1	87·7	88·1	87·8	86·5	85·4	85·4
30	84·8	84·1	83·3	82·8	82·8	83·0	83·8	84·9	86·1	86·7	87·7	87·6	88·2	89·3	89·5	89·4	89·2	88·7	86·6	85·3	84·2	83·1	82·7	82·2	85·7
31	81·6	81·3	81·1	79·7	79·5	80·0	82·6	84·3	86·1	87·3	87·7	88·5	89·8	90·6	89·7	88·5	88·1	87·7	86·0	84·4	83·7	83·0	81·6	82·0	**84·8**
Mean ...	86·9	86·5	86·1	85·8	**85·5**	86·1	87·4	88·6	90·0	91·0	91·9	92·5	92·9	93·4	**93·7**	93·5	93·5	93·0	92·0	90·4	89·4	88·6	87·9	87·2	89·7
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

405. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

September, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	81·6	80·8	80·5	80·0	79·7	79·2	81·2	82·9	84·3	85·8	86·6	86·6	88·4	89·4	89·6	89·6	88·1	87·6	86·1	85·5	85·2	85·0	84·6	83·8	84·6
2	83·0	82·3	81·6	81·1	80·4	80·4	81·9	83·6	85·3	86·4	87·6	87·7	88·2	88·1	89·0	89·5	88·4	87·9	86·9	85·1	83·6	83·0	82·0	81·3	84·8
3	80·1	80·5	79·4	80·0	79·5	79·3	80·5	82·5	84·7	86·3	87·5	87·7	89·1	89·7	89·7	90·9	90·6	89·8	86·3	85·0	84·1	83·7	82·7	81·8	84·6
4	80·2	80·2	81·7	81·7	81·0	82·7	84·2	85·2	85·2	85·7	86·2	86·6	86·9	87·2	87·3	88·6	88·6	88·4	87·0	85·7	84·9	83·8	83·5	82·9	84·8
5	82·7	81·9	81·6	81·1	81·0	81·7	82·7	83·7	85·7	87·2	88·5	89·6	90·6	91·3	91·8	92·1	91·9	91·1	89·1	87·6	86·5	85·6	84·7	84·1	86·4
6	83·5	83·2	82·1	82·0	82·0	82·6	82·9	83·8	85·0	85·8	87·6	88·7	90·4	91·1	92·6	93·7	94·1	92·9	90·4	88·6	87·5	86·3	85·7	85·1	87·0
7	84·3	83·8	83·8	84·7	85·7	86·6	87·1	87·6	88·5	89·6	91·1	91·4	91·9	92·0	93·9	94·2	94·5	92·6	90·6	88·6	87·6	86·5	85·1	83·6	88·6
8	82·9	82·0	81·0	80·1	79·5	78·9	80·6	82·5	84·6	87·1	88·7	89·7	91·3	92·1	92·6	92·7	92·6	90·7	88·6	86·7	85·3	83·6	82·2	81·9	85·8
9	80·6	79·8	79·1	79·0	78·3	78·2	79·6	82·6	85·8	88·4	90·7	92·2	93·6	94·3	94·9	94·2	95·1	93·8	91·5	89·6	88·3	87·0	87·1	87·1	87·0
10	86·7	85·2	85·6	85·5	85·8	85·7	86·1	86·8	88·8	90·9	91·5	92·4	93·2	93·9	93·5	93·0	92·6	90·5	89·4	89·4	88·7	88·4	88·0	87·8	89·1
11	87·2	86·9	86·6	86·7	86·9	86·7	86·5	87·0	87·5	88·9	90·3	90·9	92·0	93·5	93·7	93·9	93·9	92·5	90·5	89·3	88·3	87·0	86·1	85·0	89·1
12	85·0	84·4	84·0	84·0	83·6	83·4	84·4	85·4	87·0	88·3	89·9	91·2	92·5	93·3	93·6	93·8	92·9	91·9	90·0	88·3	87·5	86·4	85·0	84·5	87·9
13	84·1	83·2	83·1	83·2	83·3	82·6	83·1	84·5	86·0	88·0	90·3	92·4	94·1	95·0	95·2	94·2	93·2	91·8	90·4	88·6	88·5	87·9	87·6	87·4	88·2
14	87·4	86·2	86·7	87·1	87·4	88·0	88·6	89·2	90·0	91·5	92·6	92·8	93·3	93·2	92·1	92·4	91·3	90·8	90·1	88·2	88·0	87·8	87·9	87·3	89·6
15	86·4	85·2	85·0	84·6	84·6	84·1	84·3	85·5	85·9	87·1	88·3	88·3	88·2	87·5	86·4	85·7	85·7	85·8	84·4	83·8	83·1	82·3	81·7	81·2	85·3
16	80·7	80·2	79·7	79·2	79·0	78·7	79·7	81·2	83·2	84·6	85·6	86·2	87·2	88·0	88·6	88·3	88·1	86·4	84·8	83·7	83·2	82·3	81·5	81·2	**83·4**
17	80·5	79·2	78·8	79·3	78·9	78·9	80·3	83·2	85·6	86·9	87·8	88·2	88·9	89·2	89·1	88·8	88·6	86·2	84·6	83·6	82·5	82·4	83·2	83·0	84·0
18	82·7	82·2	83·8	84·5	83·6	83·5	83·6	84·3	85·0	85·2	84·4	84·6	86·1	87·1	86·6	87·3	87·4	85·8	84·8	84·0	83·3	82·6	81·9	81·3	84·4
19	80·8	80·9	80·5	80·0	79·8	79·7	80·8	82·5	84·0	85·1	86·1	86·1	87·1	87·2	87·4	85·6	85·4	85·0	84·7	84·7	84·8	84·6	84·7	84·5	83·8
20	84·6	84·5	84·3	83·3	82·6	81·8	81·9	82·6	83·7	85·0	85·5	86·1	86·1	86·6	86·8	86·3	86·1	85·3	85·0	84·6	84·3	84·1	84·1	83·5	84·5
21	82·7	82·1	82·1	82·3	83·1	83·9	84·1	85·5	86·6	87·2	88·1	88·0	87·9	88·4	87·4	86·9	86·6	85·6	84·2	83·0	82·1	81·6	81·4	80·2	84·7
22	82·0	83·2	83·8	84·1	84·6	84·6	85·1	86·1	87·1	87·0	87·0	88·1	88·3	85·6	86·2	85·5	85·1	84·8	84·6	84·6	84·5	84·1	83·5	83·2	85·1
23	82·6	82·6	81·8	81·1	80·8	79·5	81·3	83·3	84·7	84·7	86·3	87·5	88·1	88·5	87·9	86·6	85·1	84·2	84·1	83·8	83·1	82·6	81·8	82·1	83·9
24	81·8	81·7	81·4	81·3	81·1	80·2	80·9	82·3	84·5	85·6	86·6	87·1	88·1	88·7	88·6	88·3	86·8	85·6	84·9	84·8	84·8	84·7	85·0	85·6	84·5
25	85·7	85·5	84·6	85·1	84·6	84·1	85·0	86·2	87·4	88·1	87·7	88·5	88·1	88·6	88·2	88·2	87·6	86·7	85·8	86·2	86·1	85·9	85·7	85·7	86·5
26	85·6	85·6	85·9	85·5	85·2	84·7	85·5	86·2	88·1	88·8	89·3	90·4	90·6	90·6	90·1	89·6	89·4	88·7	88·2	87·4	86·9	86·6	86·0	85·5	87·5
27	84·8	84·6	83·5	83·5	82·3	83·1	83·9	85·1	87·1	87·8	89·9	90·5	91·0	91·9	92·1	91·5	90·6	89·3	88·6	87·6	86·7	86·1	85·2	84·7	87·2
28	84·5	84·0	83·3	83·7	83·9	83·5	84·1	85·8	87·4	88·8	90·6	91·5	92·5	92·9	92·0	92·1	92·0	91·6	91·1	90·8	90·7	90·1	89·6	88·9	88·5
29	88·5	88·2	88·4	88·4	88·1	88·1	88·4	88·6	89·9	90·8	92·1	93·4	94·3	94·8	95·1	95·1	94·5	93·3	92·9	92·7	92·2	92·2	92·1	91·9	91·4
30	91·6	91·5	91·4	91·1	91·0	90·9	91·1	91·8	92·5	93·1	93·5	93·7	94·9	95·1	95·5	95·9	95·3	92·9	89·9	88·6	87·7	86·9	85·8	85·6	**91·7**
Mean ...	83·8	83·4	83·2	83·1	82·9	**82·8**	83·7	84·9	86·4	87·5	88·6	89·3	90·1	90·5	**90·6**	90·6	90·1	89·0	87·7	86·7	86·0	85·4	84·9	84·4	86·5

406. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

October, 1923.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	85·4	85·4	85·0	85·7	86·1	86·6	86·7	87·1	86·2	87·6	87·6	88·0	87·7	87·6	87·8	87·6	87·7	87·7	87·7	87·6	87·7	87·6	87·7	86·5	87·0
2	85·6	85·1	84·8	84·8	84·0	83·2	82·9	84·1	84·8	86·1	86·7	87·0	87·4	87·2	87·1	87·2	87·1	86·5	84·1	83·7	83·7	83·5	83·1	82·7	85·2
3	82·2	81·9	81·6	81·3	80·7	80·2	80·6	81·2	82·5	82·8	82·2	81·4	80·7	79·7	78·7	78·7	78·8	79·2	79·6	79·9	80·3	80·6	80·7	80·7	80·7
4	80·7	80·3	80·2	80·2	80·7	80·9	81·2	81·3	82·2	83·3	84·2	84·7	84·6	84·7	84·8	84·2	83·4	82·1	81·4	80·6	79·6	79·0	78·3	77·9	81·7
5	77·2	76·8	75·8	75·8	75·1	75·2	75·4	76·3	78·3	79·7	81·2	82·3	82·6	82·6	82·9	82·7	82·3	81·7	81·6	81·5	81·3	81·8	81·9	81·8	79·7
6	82·2	82·3	82·3	82·6	83·0	83·3	83·6	84·1	85·0	85·6	86·3	86·3	86·2	86·7	87·6	86·2	85·9	84·6	83·7	83·2	83·3	82·7	82·0	82·0	84·2
7	81·5	81·3	81·3	81·0	80·6	80·6	81·1	82·1	83·7	85·5	86·9	87·2	87·1	87·0	86·6	86·5	86·5	86·1	86·0	86·1	85·5	85·4	85·7	85·9	84·4
8	85·9	86·2	86·1	85·7	84·6	83·7	83·7	84·5	85·7	86·9	87·0	87·2	87·3	87·5	87·2	87·1	86·5	86·3	85·9	85·7	85·6	86·0	86·0	86·7	86·0
9	87·2	87·5	87·7	88·1	88·3	88·5	89·2	89·9	89·8	90·2	90·6	90·5	91·0	89·8	89·2	88·5	87·6	86·2	85·2	84·8	84·6	84·6	84·7	84·5	**87·9**
10	84·6	84·6	84·5	84·6	84·6	84·7	84·8	85·0	85·7	86·6	87·2	87·4	87·6	88·2	89·0	89·3	88·8	88·9	88·8	88·6	89·1	88·8	87·1	85·4	86·8
11	85·2	84·7	84·2	84·1	84·2	84·1	83·9	84·1	84·7	85·3	85·5	85·8	85·7	85·6	85·7	85·1	84·9	84·0	83·9	83·7	83·6	83·6	83·5	83·3	84·6
12	83·4	83·4	83·4	83·4	83·1	82·9	82·9	83·2	84·6	86·6	87·1	87·5	87·3	87·2	84·5	84·0	83·7	83·5	83·2	82·7	82·0	81·5	80·5	79·9	83·9
13	79·7	79·1	79·0	79·0	79·3	79·7	80·6	80·8	81·8	82·8	83·6	83·8	84·6	85·2	84·7	84·4	83·7	82·7	81·8	81·0	80·9	79·6	79·4	78·7	81·5
14	78·7	78·0	77·3	76·7	76·8	76·7	76·6	77·6	79·2	81·2	82·7	83·3	81·6	81·5	82·2	82·2	81·3	80·1	79·2	78·3	77·9	77·1	77·0	76·7	79·2
15	76·4	76·2	75·7	75·7	75·5	73·6	74·6	75·3	77·8	79·8	82·0	83·2	83·8	84·4	84·5	84·0	82·8	81·0	79·9	78·9	78·7	78·1	77·6	77·2	**79·0**
16	77·3	77·1	77·7	77·4	77·7	77·9	78·2	79·6	81·0	82·4	83·7	84·7	85·1	85·1	85·1	85·2	84·4	84·0	83·4	82·7	81·9	81·4	81·2	81·2	81·4
17	81·6	81·6	81·8	82·2	82·2	82·0	81·9	82·4	83·6	85·2	85·3	85·7	85·8	86·0	85·7	85·4	85·0	84·8	84·5	84·0	83·7	83·7	83·7	83·6	83·8
18	82·3	81·1	80·1	79·4	79·5	79·8	82·5	83·3	84·4	84·0	83·7	85·2	86·7	86·7	86·7	86·2	85·7	85·7	85·7	85·7	86·0	86·2	86·6	86·9	84·1
19	87·0	87·1	87·2	87·7	88·1	88·6	89·0	89·2	90·0	90·4	90·8	90·4	87·6	86·5	86·1	86·2	85·6	85·5	84·6	82·8	82·9	82·7	81·8	81·9	86·8
20	81·6	81·7	81·7	81·6	81·6	82·0	82·1	82·2	83·2	83·6	84·7	86·0	85·7	86·1	86·5	85·6	84·8	84·2	84·2	84·1	84·0	84·1	84·4	84·7	83·7
21	85·7	86·2	87·1	87·6	87·6	87·4	86·1	85·2	86·1	86·5	87·0	87·1	87·0	86·1	85·5	85·3	84·0	82·6	82·5	81·9	81·7	81·1	81·3	81·7	85·1
22	82·0	81·7	81·5	81·4	80·9	81·0	81·0	82·3	83·2	84·4	85·2	85·3	86·2	82·7	82·9	83·3	83·2	82·3	82·0	81·6	81·5	81·6	81·7	81·7	82·5
23	81·6	81·3	82·1	82·4	81·9	82·7	83·2	83·7	84·4	86·0	86·8	87·0	86·9	87·0	85·9	85·6	85·3	84·4	83·4	82·7	82·2	81·8	81·7	81·3	83·8
24	82·3	81·7	80·8	80·6	80·2	80·2	81·3	82·2	82·9	83·9	84·5	86·2	86·7	86·6	86·2	85·8	84·7	84·1	83·4	83·2	82·8	82·3	82·3	82·8	83·2
25	83·0	82·7	82·7	82·8	83·0	83·1	83·3	84·2	84·9	86·0	86·4	86·3	85·0	86·5	86·4	84·8	84·7	84·4	83·2	82·2	81·8	81·2	81·0	81·0	83·8
26	80·6	81·6	82·5	83·9	84·7	84·6	81·7	81·8	82·7	83·8	84·7	85·2	85·3	86·8	86·9	86·2	85·2	84·4	83·5	83·4	84·3	84·6	84·9	84·7	84·0
27	84·1	85·1	86·1	85·7	85·7	86·2	86·1	84·7	84·2	85·1	87·1	85·6	86·1	86·4	86·7	86·1	85·5	85·4	85·1	85·2	85·6	85·1	85·1	84·7	85·5
28	84·0	84·1	83·7	83·7	83·8	83·9	83·8	84·0	84·9	85·1	86·5	86·7	87·1	86·7	86·5	86·2	85·1	84·3	84·3	83·6	83·0	82·6	81·7	81·2	84·5
29	81·0	80·3	80·1	79·4	79·3	79·5	80·1	81·5	82·7	83·7	85·2	85·8	86·5	86·6	86·3	85·7	85·1	84·8	84·9	84·7	85·0	85·2	85·2	85·5	83·4
30	85·5	85·6	85·5	85·4	85·1	85·2	85·2	85·5	85·6	85·9	86·1	86·5	87·0	87·0	87·0	87·1	86·7	86·5	86·5	86·2	85·8	85·7	84·6	84·2	85·9
31	84·2	84·1	84·0	83·7	83·6	83·2	83·0	82·7	82·9	83·8	84·8	85·7	85·9	86·2	86·2	85·7	83·7	81·3	80·2	79·1	78·7	77·7	77·3	77·1	82·8
Mean ...	82·6	82·5	82·4	82·4	82·3	**82·3**	82·5	82·9	83·8	84·8	85·6	86·0	**86·0**	85·9	85·8	85·4	84·8	84·2	83·7	83·2	83·1	82·8	82·6	82·4	83·7
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Readings in degrees absolute at exact hours, Greenwich Mean Time.

407. Richmond (Kew Observatory): North Wall Screen : h_t (height of thermometer bulb above the ground) = 3·0 metres.

November, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	76·8	77·7	77·5	78·0	78·7	78·8	78·7	79·7	80·6	80·3	80·8	81·2	82·3	82·6	82·6	82·3	81·9	81·6	81·3	81·2	80·9	79·7	79·2	78·2	80·1
2	78·1	78·3	78·8	79·1	78·4	77·6	77·5	77·2	77·3	78·7	80·0	81·3	82·7	83·3	83·6	83·1	82·0	80·7	79·9	79·7	79·2	79·2	80·1	80·8	79·8
3	81·7	82·7	83·5	84·3	84·9	85·3	85·7	85·9	86·3	86·3	86·7	86·8	87·3	86·7	86·7	86·7	86·2	86·0	85·2	84·1	83·2	82·3	81·3	80·8	**84·9**
4	80·6	80·2	79·7	79·3	79·2	79·4	79·0	79·6	80·5	81·3	82·1	82·9	83·2	83·7	83·3	82·3	81·4	80·7	80·2	79·8	79·2	79·0	79·0	78·7	80·6
5	78·2	77·8	77·6	78·2	78·2	78·1	78·2	78·8	79·8	80·5	81·2	81·8	82·6	82·7	82·5	81·9	81·6	81·2	79·8	79·2	79·2	79·3	78·7	78·2	79·8
6	78·4	78·6	78·7	78·2	78·0	77·0	76·2	75·6	75·8	77·4	79·2	80·3	80·5	80·5	79·8	79·2	78·6	77·8	76·8	76·5	76·0	75·3	75·0	74·2	77·7
7	73·9	73·5	73·9	73·5	73·0	72·9	72·8	72·8	73·6	74·9	76·0	77·5	78·6	78·6	79·0	78·1	77·1	75·1	74·7	74·3	73·8	72·1	70·7	70·1	74·7
8	70·2	70·0	70·0	69·0	68·9	67·9	67·9	68·4	69·0	69·9	73·0	75·1	78·4	80·2	80·1	79·3	78·5	77·7	78·2	78·1	78·5	78·0	77·6	77·2	74·1
9	77·1	77·1	76·9	76·9	75·9	74·9	74·1	74·1	73·9	75·2	75·8	76·2	76·4	76·7	76·5	76·6	77·3	77·5	77·9	77·5	78·1	78·5	78·4	78·5	76·6
10	78·3	78·3	77·5	77·4	77·0	77·8	77·1	77·8	79·0	79·3	80·5	81·6	81·3	80·9	80·9	80·8	80·1	79·0	78·6	77·8	77·6	77·1	77·1	77·5	78·8
11	76·3	76·2	76·1	75·5	75·1	74·7	74·6	74·8	75·9	77·3	79·0	79·9	80·6	80·6	80·6	79·9	78·9	77·0	75·0	74·5	73·1	72·9	71·7	70·6	76·4
12	71·6	71·5	71·0	70·5	70·6	70·8	70·5	70·5	71·2	73·7	76·8	79·1	81·0	81·5	81·8	80·5	79·7	79·4	79·1	79·0	79·1	79·5	79·6	79·6	76·0
13	79·6	80·1	80·0	80·1	81·0	81·5	81·8	82·4	83·2	84·1	84·5	84·6	85·0	85·4	85·0	84·5	84·5	84·2	83·7	83·5	83·1	83·0	83·0	82·8	82·9
14	82·9	83·4	83·4	83·2	82·5	82·0	81·6	80·5	80·1	80·3	80·7	81·1	81·1	81·1	80·5	79·6	78·6	77·8	77·1	76·6	76·3	76·1	76·0	76·0	80·1
15	75·7	76·0	75·3	74·8	74·3	73·6	74·1	75·1	77·4	79·5	81·0	80·6	81·6	82·7	82·8	82·0	81·8	81·2	81·5	81·4	81·7	81·7	81·6	81·0	79·0
16	80·4	80·0	79·5	79·0	78·6	77·9	77·0	77·2	78·2	79·3	80·1	81·2	82·1	82·0	81·0	81·1	80·0	79·2	78·9	78·6	78·6	78·6	78·7	79·0	79·5
17	79·3	80·0	80·0	80·8	81·4	77·5	77·8	77·7	78·5	79·4	78·6	79·8	80·1	80·4	80·3	79·5	78·6	78·1	77·2	76·6	76·6	76·6	76·6	76·1	78·7
18	75·1	74·5	74·1	73·9	73·6	74·3	74·4	74·1	74·2	75·6	75·6	77·4	79·1	79·5	79·2	78·4	77·8	77·6	76·7	76·0	75·5	74·7	74·6	74·7	75·9
19	75·1	74·8	75·1	75·7	75·6	76·0	76·2	76·2	76·5	77·7	79·0	79·6	80·1	80·1	80·2	79·3	77·9	77·1	76·1	75·7	75·3	74·7	74·0	73·7	76·8
20	73·3	72·9	72·5	72·2	71·8	72·1	71·5	72·7	73·4	74·7	76·0	76·7	77·1	77·6	77·1	76·8	76·5	76·3	76·2	76·3	76·3	76·2	76·0	75·6	74·9
21	75·7	76·0	76·0	75·6	75·6	75·6	75·6	76·0	76·2	76·4	76·8	77·1	77·5	78·2	78·2	77·7	76·9	75·9	76·1	75·2	75·2	75·2	75·2	75·2	76·2
22	74·9	74·9	75·2	75·1	75·2	75·4	75·5	75·6	75·7	76·1	76·8	77·1	77·2	77·4	77·6	77·2	77·0	76·7	76·1	75·7	74·8	74·3	73·8	73·4	75·8
23	73·1	72·7	72·6	72·2	71·8	72·2	72·8	73·3	73·7	74·1	74·2	75·1	75·8	77·1	76·2	75·5	75·2	75·7	76·1	75·5	75·2	75·1	75·2	75·0	74·4
24	75·0	74·9	74·6	74·5	74·2	73·9	73·4	72·6	72·6	72·6	72·6	72·6	73·0	73·4	73·6	73·2	73·2	73·1	73·1	73·1	73·1	73·0	72·7	72·6	73·4
25	72·9	72·1	72·1	71·5	71·3	71·6	71·0	70·9	71·1	70·5	71·0	71·5	71·4	71·2	71·0	70·6	71·2	71·2	70·5	70·5	70·5	70·3	70·1	69·7	71·1
26	69·5	69·3	68·7	68·9	68·9	69·0	69·3	69·8	70·2	70·6	70·9	70·6	70·7	70·2	70·0	70·8	71·9	72·0	71·8	71·5	71·2	70·6	70·2	70·0	**70·3**
27	70·1	70·2	70·0	69·1	68·6	68·4	68·4	69·0	69·5	69·6	69·9	71·2	71·5	71·3	73·4	73·6	73·6	72·8	72·5	72·6	72·7	73·1	73·6	73·7	71·1
28	74·1	73·9	74·0	74·2	74·7	75·3	75·7	75·6	75·8	75·8	75·9	75·8	75·7	75·6	75·4	74·9	74·1	74·1	73·8	74·1	74·1	74·1	74·2	74·2	74·8
29	74·3	74·4	74·3	74·3	74·3	74·3	74·3	74·4	74·7	74·8	75·1	75·3	75·4	75·1	75·4	74·9	74·8	75·3	75·6	75·5	75·4	75·3	75·2	74·8	74·9
30	74·7	74·6	74·0	73·6	73·2	72·7	73·3	73·8	74·3	74·8	75·0	75·7	76·4	77·0	76·7	75·7	74·5	73·6	73·1	72·5	72·1	71·8	71·9	71·6	74·1
Mean ...	75·9	75·9	75·7	75·6	75·5	75·3	**75·2**	75·4	75·9	76·7	77·5	78·2	78·9	**79·1**	79·0	78·5	78·1	77·5	77·1	76·7	76·5	76·2	76·0	75·8	76·8

408. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

December, 1923.

	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	71·6	70·8	69·8	70·0	70·3	70·7	71·9	73·0	74·5	76·1	78·1	78·6	79·6	79·6	79·3	78·5	78·4	78·6	79·0	79·5	79·5	79·3	79·3	78·6	75·9
2	78·5	78·8	78·9	79·1	79·1	78·9	79·0	79·1	79·5	79·9	80·5	81·5	81·6	81·5	81·0	80·0	78·5	77·5	75·7	75·2	74·5	74·0	72·4	71·8	78·3
3	73·0	73·2	72·8	72·9	72·3	72·5	72·4	72·7	72·5	73·5	74·8	76·2	77·6	78·0	77·9	77·0	75·3	74·2	74·0	73·7	73·7	73·2	72·3	72·4	74·0
4	72·5	72·4	72·6	72·1	74·1	75·0	75·9	76·6	77·1	77·5	77·6	78·1	80·0	81·0	79·7	79·1	77·8	77·6	77·8	76·6	75·9	75·6	74·7	74·7	76·3
5	74·8	74·1	74·7	74·2	74·2	74·0	74·9	75·1	75·7	76·2	77·3	78·0	78·2	78·2	78·5	77·7	76·0	74·5	75·0	75·6	75·7	75·9	76·1	76·6	75·8
6	76·6	76·6	76·5	76·4	76·1	76·0	76·1	76·2	76·5	76·6	76·7	77·3	77·1	77·8	77·6	77·1	75·7	74·6	71·8	71·2	72·1	72·1	71·9	72·5	75·5
7	72·6	72·3	71·9	71·9	71·7	71·6	71·5	71·7	72·4	75·1	76·9	77·7	78·6	79·0	79·0	79·0	79·0	79·1	79·2	79·5	79·4	79·6	80·1	80·5	76·1
8	81·3	81·9	82·1	81·6	81·2	81·4	81·5	81·2	80·6	80·7	81·2	81·1	81·2	81·0	80·6	80·0	78·6	77·9	77·3	77·7	78·5	78·6	78·5	78·1	80·2
9	77·6	76·6	76·0	75·3	74·8	74·4	74·1	73·6	73·7	74·0	75·1	76·2	77·2	77·6	77·1	76·1	74·6	73·2	73·2	72·5	71·6	71·5	71·6	71·1	74·7
10	70·1	70·0	69·8	71·1	71·8	72·5	72·8	72·6	74·1	75·6	77·0	78·8	79·2	79·8	80·0	80·0	80·1	79·9	80·0	80·1	80·2	80·3	80·4	80·4	76·3
11	80·4	80·2	80·1	80·0	80·0	80·0	80·0	80·0	80·2	80·8	80·7	81·2	81·4	81·2	81·6	81·4	80·8	80·8	80·9	80·8	80·6	80·5	80·4	80·4	80·6
12	80·4	80·1	80·5	80·5	80·4	80·3	80·4	80·4	80·4	80·7	81·3	81·6	82·0	81·6	81·3	81·0	80·5	80·1	80·0	79·9	80·0	79·7	79·6	79·6	80·5
13	79·5	79·5	79·3	79·1	79·1	79·3	78·8	78·6	78·6	79·3	80·6	81·1	81·9	82·1	81·6	81·5	80·7	80·2	80·1	79·6	79·7	79·6	79·6	79·2	79·9
14	79·1	78·5	77·3	76·6	76·5	75·6	74·8	73·8	73·1	73·1	73·4	74·7	75·9	77·9	78·7	78·1	77·8	78·0	77·9	78·6	79·1	79·1	79·2	79·8	76·9
15	80·5	80·1	79·6	79·9	78·8	78·1	77·8	77·3	76·9	78·1	78·9	79·0	79·4	79·5	79·5	79·1	78·0	77·0	76·0	75·8	75·5	75·1	74·5	74·0	78·0
16	73·7	74·6	75·3	75·5	75·8	76·8	77·1	77·1	77·5	78·5	80·4	81·2	81·3	81·7	81·8	81·7	81·5	80·6	80·1	79·4	79·1	79·5	79·6	79·8	78·6
17	79·2	78·9	79·0	79·1	80·0	80·7	80·5	80·1	80·5	81·2	82·0	81·9	82·2	82·7	82·8	82·7	82·1	82·1	81·7	81·4	81·1	80·4	80·4	80·7	**81·0**
18	80·9	81·1	81·4	80·8	81·9	81·4	80·7	80·7	80·9	81·9	82·3	82·1	82·1	81·7	81·4	81·1	80·8	80·2	80·0	79·6	78·7	78·1	77·7	77·2	80·7
19	77·0	77·4	77·5	77·4	77·2	77·1	77·5	77·3	77·1	77·5	77·8	78·1	78·1	77·8	77·4	77·0	74·2	74·3	74·0	73·5	73·3	73·0	73·0	73·2	76·2
20	73·6	74·2	74·4	74·4	74·6	74·7	74·4	74·2	75·3	75·4	75·5	75·4	75·7	75·3	74·7	73·8	73·7	73·3	72·6	72·2	71·9	71·7	71·6	71·7	74·0
21	72·6	72·5	71·9	71·7	71·8	72·2	73·7	73·9	74·2	74·7	75·0	74·1	74·2	73·7	73·8	73·7	73·5	73·5	73·6	73·6	73·7	73·6	73·6	73·5	**73·4**
22	73·6	73·6	73·6	73·7	73·7	74·0	74·3	74·8	75·6	76·6	78·6	81·1	82·6	82·8	83·0	83·3	82·9	82·7	82·5	82·2	82·4	82·1	81·0	80·5	78·7
23	80·2	79·5	78·9	79·0	79·3	78·4	80·1	79·4	78·6	78·4	79·0	79·3	79·5	79·6	79·5	78·6	78·1	78·1	77·8	77·0	76·8	76·5	75·9	76·0	78·6
24	75·6	76·3	76·0	76·0	76·2	77·0	77·1	77·1	77·0	77·1	77·5	77·6	77·7	78·0	78·3	78·1	78·5	77·3	75·7	74·9	74·7	74·1	73·9	73·4	76·5
25	72·6	72·2	71·7	71·2	71·1	70·6	70·2	70·1	70·1	70·4	71·8	73·0	74·3	75·2	75·3	75·4	75·3	75·6	75·8	77·1	77·6	79·1	80·6	81·6	73·9
26	81·9	81·5	81·3	81·5	81·1	80·9	80·5	80·6	81·0	77·7	77·3	76·7	76·6	76·6	76·3	76·2	76·1	76·0	75·7	75·6	74·9	73·9	73·6	73·5	78·0
27	74·1	74·1	74·1	74·3	74·3	74·5	74·9	75·0	76·1	77·6	77·9	78·0	78·7	79·5	80·1	79·9	79·5	79·5	79·8	80·0	80·0	80·1	80·8	81·2	77·5
28	82·0	82·6	82·7	82·5	82·2	82·2	82·7	78·2	77·7	78·0	78·0	78·5	78·9	78·9	78·9	78·4	78·4	78·0	77·5	77·5	77·2	76·5	76·0	75·5	79·2
29	75·1	74·6	74·3	73·9	73·4	73·0	72·5	72·4	72·6	73·5	73·8	74·8	75·9	76·0	76·5	76·1	75·6	75·6	75·9	75·8	75·9	75·8	75·7	75·7	74·8
30	75·5	76·4	77·0	77·1	77·5	77·5	77·9	78·5	79·0	79·2	79·7	80·1	77·6	77·5	77·3	77·0	76·8	76·7	76·5	76·5	76·5	76·1	76·0	76·0	77·3
31	76·0	75·4	75·0	74·9	74·7	74·5	74·5	74·5	74·6	75·0	75·4	75·2	75·6	75·7	76·2	76·6	77·0	77·1	77·5	77·8	78·0	78·5	78·9	78·9	76·1
Mean ...	76·5	76·5	76·3	**76·3**	76·3	76·3	76·5	76·3	76·6	77·1	77·8	78·3	78·8	**79·0**	78·9	78·5	77·9	77·5	77·3	77·1	77·0	76·9	76·7	76·7	77·2
G.M.T. ...	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

TEMPERATURE: ANNUAL MEANS OF HOURLY VALUES.

From readings in degrees absolute at exact hours, Greenwich Mean Time.

409. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1923.**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
81·27	81·00	80·81	80·67	**80·61**	80·77	81·25	81·92	82·77	83·60	84·40	85·04	85·53	85·77	**85·83**	85·62	85·25	84·69	83·98	83·22	82·71	82·24	81·84	81·52	83·01

TEMPERATURE: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

410. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1923.**

Month.	Mean.	Hour. G.M.T. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
Jan.	278·38	−0·91	−1·04	−1·14	−1·23	−1·35	**−1·39**	−1·31	−1·19	−0·78	−0·09	+0·70	+1·54	+1·85	**+2·14**	+2·01	+1·64	+1·21	+0·81	+0·36	+0·09	−0·13	−0·41	−0·60	−0·77
Feb.	279·50	−0·65	−0·77	−0·84	−0·90	−1·10	−1·21	−1·29	**−1·30**	−0·68	+0·07	+0·77	+1·33	+1·66	+1·74	**+1·81**	+1·73	+1·18	+0·62	+0·14	−0·30	−0·41	−0·51	−0·57	−0·58
Mar.	280·02	−1·25	−1·63	−1·66	−1·91	−2·07	**−2·30**	−2·17	−1·53	−0·68	+0·27	+1·15	+1·97	+2·58	**+2·80**	+2·78	+2·59	+2·07	+1·38	+0·66	+0·07	−0·29	−0·69	−0·98	−1·09
April	281·67	−2·06	−2·44	−2·52	−2·58	**−2·70**	−2·55	−1·87	−0·96	−0·08	+0·82	+1·57	+2·25	+2·97	**+3·08**	+3·02	+2·96	+2·47	+1·80	+0·94	+0·07	−0·36	−0·84	−1·30	−1·77
May	283·81	−2·42	−2·76	−3·02	**−3·19**	−3·12	−2·62	−1·75	−0·77	+0·17	+0·81	+1·64	+2·24	+2·56	+2·88	**+3·14**	+3·11	+3·09	+2·68	+1·66	+0·56	−0·24	−0·91	−1·59	−2·06
June	286·32	−2·27	−2·66	−2·99	**−3·09**	−2·91	−2·32	−1·51	−0·60	+0·33	+0·87	+1·37	+1·89	+2·55	+2·53	**+2·97**	+2·82	+2·52	+2·17	+1·64	+0·75	−0·09	−0·81	−1·29	−1·93
July	**292·16**	−2·95	−3·48	−3·91	**−4·23**	−3·99	−3·27	−2·35	−1·05	+0·08	+1·12	+2·01	+2·66	+3·23	+3·84	**+3·91**	+3·80	+3·75	+3·21	+2·33	+0·89	−0·27	−1·13	−1·90	−2·40
Aug.	289·75	−2·89	−3·25	−3·65	−4·00	**−4·31**	−3·64	−2·39	−1·13	+0·23	+1·22	+2·10	+2·80	+3·15	+3·69	**+3·93**	+3·77	+3·76	+3·31	+2·27	+0·70	−0·33	−1·08	−1·85	−2·47
Sept.	286·46	−2·58	−3·02	−3·24	−3·31	−3·52	**−3·59**	−2·78	−1·52	−0·08	+1·07	+2·15	+2·81	+3·63	+4·02	**+4·11**	+4·00	+3·58	+2·49	+1·16	+0·17	−0·51	−1·14	−1·66	−2·13
Oct.	283·75	−1·30	−1·41	−1·48	−1·47	−1·52	**−1·52**	−1·35	−0·86	+0·05	+1·06	+1·83	+2·22	**+2·25**	+2·20	+2·06	+1·72	+1·14	+0·49	−0·01	−0·45	−0·60	−0·84	−1·06	−1·22
Nov.	**276·77**	−0·96	−0·96	−1·09	−1·21	−1·35	−1·54	**−1·61**	−1·40	−0·85	−0·10	+0·71	+1·45	+2·10	**+2·36**	+2·28	+1·79	+1·32	+0·80	+0·38	+0·04	−0·18	−0·45	−0·65	−0·89
Dec.	277·21	−0·58	−0·66	−0·80	**−0·88**	−0·84	−0·83	−0·69	−0·85	−0·61	−0·10	+0·61	+1·12	+1·55	**+1·75**	+1·69	+1·30	+0·67	+0·27	−0·03	−0·22	−0·31	−0·45	−0·58	−0·61
Year	282·98	−1·73	−2·01	−2·19	−2·33	**−2·40**	−2·23	−1·76	−1·10	−0·24	+0·59	+1·38	+2·02	+2·51	+2·75	**+2·81**	+2·60	+2·23	+1·67	+0·96	+0·20	−0·31	−0·77	−1·17	−1·49

ABSOLUTE EXTREMES OF TEMPERATURE FOR EACH DAY.

Maximum and Minimum for the interval 0h. to 24h., Greenwich Mean Time.

411. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1923.**

Month	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
1	79·1	73·4	85·5	83·4	84·2	79·3	86·8	78·5	90·8	81·6	86·6	81·0	91·5	85·5	93·7	83·6	89·9	78·8	88·1	84·7	82·7	76·3	79·7	69·6
2	84·4	79·1	**85·8**	83·8	84·5	77·5	87·8	79·3	93·3	79·7	84·4	81·1	93·7	83·5	95·4	86·5	89·5	80·1	87·7	82·6	83·7	77·0	81·8	71·7
3	82·4	76·9	85·0	80·8	84·2	73·0	88·1	78·7	96·4	83·9	93·3	**76·0**	91·5	83·6	94·1	86·1	91·1	79·2	83·3	78·3	**87·3**	80·8	78·1	71·5
4	80·8	72·1	82·4	72·9	81·2	75·5	89·9	77·4	98·0	82·4	84·0	80·4	96·2	86·0	97·5	82·5	88·7	80·0	85·2	77·9	83·8	78·7	81·1	72·0
5	81·0	71·1	81·6	**70·2**	82·5	73·5	86·4	80·6	**98·5**	84·2	87·1	78·7	02·1	83·6	98·5	81·0	92·2	80·8	83·1	74·7	83·2	77·5	78·6	73·6
6	79·1	74·1	79·5	76·3	84·1	77·0	81·5	79·2	94·0	85·7	87·7	82·6	03·2	88·8	97·6	85·9	94·4	80·5	87·6	81·7	80·7	74·1	77·8	70·9
7	83·5	74·5	84·0	76·3	83·4	77·6	87·4	79·1	90·2	84·5	90·3	82·9	04·3	90·3	98·8	85·8	94·6	83·5	87·6	80·5	79·1	70·1	80·5	71·5
8	84·1	76·0	84·2	76·2	81·4	76·5	82·6	78·4	89·8	82·6	90·1	82·5	99·7	89·4	01·2	87·4	93·0	78·7	87·6	83·6	80·6	**67·8**	82·2	77·0
9	82·1	74·4	82·5	75·0	78·4	75·2	78·5	73·9	89·3	79·1	90·6	85·4	02·1	85·8	**02·4**	85·5	95·4	**78·1**	**91·1**	84·5	78·6	73·6	78·1	71·1
10	80·5	76·0	81·5	79·9	80·1	75·6	85·5	**72·9**	84·7	77·4	92·3	84·1	01·2	90·0	98·0	87·9	94·1	85·1	89·5	84·4	81·7	76·8	80·5	**69·3**
11	79·3	73·4	83·5	78·8	79·3	75·6	89·4	82·3	84·8	77·2	89·7	81·9	04·4	89·9	96·7	86·9	94·0	85·0	86·1	83·3	80·7	70·6	81·7	79·9
12	79·5	73·4	81·7	74·4	81·2	**72·2**	**90·9**	82·9	82·6	**74·7**	89·9	79·1	**05·3**	92·1	98·7	84·4	93·9	83·1	87·6	79·9	81·9	70·1	82·1	79·5
13	77·5	71·4	79·6	77·9	80·0	77·7	86·5	79·5	84·8	77·3	93·3	85·1	05·0	93·0	00·6	85·8	95·6	82·5	85·4	78·7	85·5	79·4	82·3	78·2
14	84·0	76·3	78·6	76·0	80·0	76·7	84·5	76·9	86·1	77·9	89·3	83·6	99·8	91·5	98·8	90·4	93·4	86·1	84·0	76·0	83·6	75·7	79·8	72·7
15	79·8	75·0	80·6	75·0	78·3	76·2	85·6	75·9	85·5	77·8	87·8	82·5	98·5	89·9	93·4	84·6	88·9	81·2	84·8	**73·6**	83·0	72·9	80·5	73·9
16	81·2	74·2	82·9	77·2	80·9	77·9	85·0	78·8	82·9	76·6	85·4	82·0	96·0	88·9	92·4	82·0	88·7	78·6	85·6	76·2	82·2	76·7	81·9	73·6
17	74·2	**69·4**	82·0	76·5	82·6	77·7	83·5	77·9	84·6	76·6	88·0	79·8	93·4	86·0	91·9	86·3	89·6	78·3	86·1	81·2	81·5	76·1	83·0	78·6
18	81·0	73·1	81·4	74·9	82·3	76·8	84·4	78·4	83·8	77·8	88·8	78·5	93·4	86·3	91·6	85·7	87·4	81·2	86·9	78·9	79·5	73·1	82·5	77·2
19	81·4	73·1	76·7	74·4	82·3	76·0	83·2	78·6	86·2	78·1	88·6	83·7	93·0	84·1	92·6	84·4	87·8	79·6	90·9	81·6	80·3	73·6	78·3	72·9
20	81·8	74·4	75·6	73·6	83·3	73·1	85·6	77·8	88·3	81·8	86·7	82·7	00·5	89·5	93·7	86·5	87·2	81·6	86·6	81·5	77·6	71·2	75·8	71·5
21	78·6	72·1	81·4	73·8	85·2	76·0	84·3	76·5	88·2	81·7	91·6	81·5	99·4	88·1	94·1	85·9	88·8	80·2	87·7	81·0	78·3	74·9	75·1	71·5
22	83·3	76·5	81·3	73·1	82·4	76·0	86·1	76·9	90·7	80·7	94·2	85·9	97·2	88·1	93·0	85·1	88·6	80·1	86·2	80·8	77·6	73·4	**83·4**	73·5
23	81·3	73·0	81·5	75·1	81·0	76·8	82·9	73·6	88·2	79·6	97·0	84·1	95·6	86·5	92·1	82·2	88·6	79·1	87·1	81·2	77·1	71·8	80·5	75·8
24	81·0	73·0	81·4	77·4	86·0	77·5	84·0	76·2	88·2	76·4	93·8	88·9	97·1	86·5	91·1	84·7	89·2	80·1	87·1	79·7	75·1	72·2	78·6	73·4
25	83·5	76·4	83·3	77·6	87·9	77·2	84·8	75·4	87·2	77·8	89·6	83·0	93·7	87·4	90·7	82·6	89·2	84·0	87·1	80·8	73·0	69·5	81·6	69·7
26	80·6	77·0	85·6	79·9	90·3	79·8	86·4	78·5	86·3	77·3	89·0	81·9	92·6	85·3	94·4	86·7	90·7	84·7	87·2	80·4	72·1	68·5	82·0	73·5
27	81·9	77·8	83·5	79·3	**92·9**	77·9	85·6	76·5	85·4	79·1	92·2	80·6	93·0	**82·3**	90·5	84·5	92·5	81·9	87·2	83·9	73·7	68·3	81·2	73·5
28	82·8	77·3	84·1	79·0	87·6	81·7	86·6	77·5	86·5	80·2	92·8	83·8	93·4	86·5	90·5	83·6	92·9	83·1	87·2	81·2	75·9	73·7	82·8	75·5
29	82·5	78·9	—	—	86·1	79·5	86·8	79·8	83·2	80·0	**97·1**	83·2	93·7	84·7	88·6	82·3	95·2	88·0	86·8	79·2	75·6	74·2	76·5	72·0
30	**85·3**	80·8	—	—	86·6	78·7	88·4	83·0	88·9	79·8	92·9	82·9	94·5	87·9	89·8	82·0	**95·9**	85·5	87·1	84·2	77·1	71·5	80·3	75·5
31	85·0	81·7	—	—	87·5	80·5	—	—	85·2	80·1	—	—	91·7	84·7	90·7	**78·9**	—	—	86·5	76·6	—	—	79·0	74·4
Mean	81·4	75·0	82·0	76·7	83·5	76·9	85·6	78·0	88·1	79·7	90·1	82·3	97·3	87·3	94·6	84·8	91·4	81·6	86·8	80·4	79·8	73·7	80·2	73·7

NOTE.—The initial 2 or 3 of the readings is omitted, *i.e.*, 275·0 degrees absolute is written 75·0.

Percentages at exact hours Greenwich Mean Time. Determined as explained on page 16.

412. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres.

January, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	88	88	87	87	93	91	95	95	96	96	93	91	88	85	85	87	88	90	91	90	92	93	95	95	90·6	7·1
2	95	94	90	93	97	94	96	99	96	95	91	90	89	90	90	91	92	92	92	91	84	87	89	89	92·0	10·4
3	87	87	92	89	86	86	86	87	86	84	79	73	73	75	79	81	83	87	90	91	89	93	94	93	85·3	8·6
4	93	95	92	97	95	99	97	95	91	91	85	85	79	73	77	83	85	91	93	91	99	91	99	95	90·4	7·2
5	99	94	97	99	96	99	97	96	96	95	94	89	81	78	79	87	91	93	93	94	90	89	86	79	91·6	7·3
6	83	80	79	77	77	80	87	85	87	80	78	75	71	69	75	83	87	89	89	93	93	97	96	99	83·3	6·5
7	97	97	95	95	97	95	94	94	94	95	97	97	96	96	95	93	95	95	95	93	96	96	95	93	95·3	9·8
8	92	85	88	91	91	91	92	92	89	87	87	87	93	89	86	80	75	75	81	85	88	92	92	93	87·5	9·8
9	95	95	99	97	95	93	94	86	86	92	92	79	71	67	64	69	73	83	84	80	82	81	79	83	84·3	7·5
10	83	82	79	79	81	84	84	79	78	75	77	73	68	69	68	75	76	76	82	87	86	85	83	84	78·8	6·7
11	83	85	89	89	88	93	95	93	93	85	79	75	75	71	70	73	75	79	78	79	79	81	83	87	82·3	6·3
12	85	82	82	83	83	88	90	87	91	89	83	80	76	76	77	80	83	87	90	89	88	93	95	96	85·3	6·7
13	95	93	95	95	97	99	99	99	97	99	97	95	96	96	96	96	98	97	93	90	91	89	89	89	95·1	6·1
14	91	89	94	95	97	95	94	95	97	96	91	84	84	86	85	83	73	69	65	67	73	83	83	83	85·6	8·7
15	83	83	87	88	89	88	77	77	77	77	79	78	76	74	76	77	79	78	81	84	84	88	89	88	81·4	6·8
16	91	93	93	91	94	91	94	94	95	89	84	75	75	75	75	74	74	73	75	73	79	84	88	89	84·0	7·9
17	91	97	91	96	96	99	99	99	99	99	96	99	99	99	99	99	99	99	99	96	94	95	91	91	**96·7**	**5·2**
18	94	94	94	94	93	93	95	91	95	97	99	91	83	76	73	80	85	85	88	89	89	88	88	91	89·4	7·1
19	93	97	99	97	99	97	99	100	99	99	97	89	86	86	87	90	90	86	86	84	86	92	93	96	92·7	7·8
20	92	92	93	80	74	74	72	71	70	71	76	69	72	66	57	56	60	59	63	61	63	64	67	65	**70·9**	6·3
21	65	65	67	65	63	68	71	71	73	75	76	73	74	74	77	79	77	84	84	88	87	89	93	91	75·7	5·5
22	90	93	91	94	95	95	95	97	95	95	84	77	73	70	70	69	72	78	81	79	79	81	78	77	84·0	8·5
23	67	75	77	78	83	83	83	80	80	73	69	62	56	55	57	60	67	75	79	83	77	79	79	77	73·1	5·6
24	79	81	81	83	83	85	87	87	87	87	87	86	85	85	85	87	89	87	86	84	86	85	91	93	85·3	7·2
25	93	93	91	91	89	90	93	95	93	89	85	83	80	77	72	75	69	71	71	76	83	85	89	88	84·3	8·2
26	89	88	89	91	88	84	86	86	87	85	85	80	80	77	75	73	71	75	73	79	76	81	80	80	81·7	7·7
27	79	81	83	78	79	83	87	89	90	89	89	82	79	78	75	78	80	84	86	87	91	94	93	94	84·2	8·2
28	97	97	95	94	91	91	93	91	91	86	80	79	75	76	76	78	76	76	80	79	79	80	81	85	84·6	8·6
29	87	90	93	93	93	93	91	94	90	85	85	87	89	92	89	89	88	87	85	85	89	88	89	92	89·2	9·4
30	93	92	93	97	97	96	93	93	92	92	87	82	82	77	81	83	86	87	90	89	89	89	92	93	89·3	**10·9**
31	92	87	87	87	89	91	91	91	91	90	89	83	86	74	77	84	82	85	80	82	81	73	79	83	85·0	10·8
Mean ...	88·4	88·5	89·1	89·1	89·3	89·9	**90·5**	89·9	89·7	88·3	86·1	82·2	80·3	78·4	**78·3**	80·4	81·2	83·0	84·0	84·5	85·2	86·6	87·7	88·1	85·8	7·8†
Vapour Pressure* ...	mb. 7·3	mb. 7·3	mb. 7·3	mb. 7·3	mb. **7·2**	mb. 7·3	mb. 7·4	mb. 7·3	mb. 7·6	mb. 7·8	mb. **8·1**	mb. **8·1**	mb. **8·1**	mb. **8·1**	mb. 8·0	mb. **8·1**	mb. 7·9	mb. 7·8	mb. 7·7	mb. 7·5	mb. 7·5	mb. 7·7	mb. 7·5	mb. 7·5	mb. 7·6‡	

413. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

February, 1923.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	86	86	85	87	87	87	87	89	87	85	87	87	87	88	92	89	83	83	84	84	84	87	89	91	86·5	11·7
2	91	93	95	93	93	93	93	93	91	91	87	85	85	87	89	85	85	85	85	88	89	89	87	85	89·2	**12·1**
3	85	84	84	83	82	84	86	85	80	84	75	71	68	71	68	71	76	79	79	84	92	92	92	93	81·0	10·2
4	93	93	95	93	92	94	94	93	89	75	72	71	64	63	63	73	74	79	92	90	93	99	93	93	83·3	8·1
5	99	97	99	99	99	99	99	99	95	97	97	83	75	75	74	80	82	87	88	87	87	90	90	91	90·4	6·7
6	91	88	85	87	85	85	81	83	77	75	77	75	75	75	76	76	79	81	85	88	93	93	93	94	83·2	7·1
7	97	93	92	93	97	94	90	86	85	87	93	94	93	88	88	87	96	93	92	95	92	90	89	86	91·4	9·5
8	87	93	93	92	91	91	92	89	88	88	88	97	85	86	82	85	86	89	91	90	97	95	95	95	90·0	9·9
9	99	97	95	95	99	97	95	99	95	95	94	91	84	81	78	76	80	79	78	81	81	79	79	83	88·2	8·3
10	83	85	85	85	84	83	80	87	89	86	86	86	89	93	94	91	92	89	86	89	91	89	92	87	87·5	9·0
11	87	84	79	85	85	87	87	89	87	84	78	78	76	72	71	74	78	81	85	87	87	90	90	91	82·9	8·7
12	91	93	95	99	99	95	99	99	99	100	99	89	76	71	75	78	80	82	83	91	91	91	94	94	90·1	8·2
13	95	97	97	94	97	97	97	95	95	90	87	90	85	82	86	85	85	85	89	87	87	87	91	85	90·4	8·3
14	88	89	93	93	93	95	100	97	95	95	99	99	99	99	97	99	97	100	100	100	99	100	99	100	**96·6**	8·0
15	100	100	100	100	100	100	100	100	100	100	97	97	89	86	85	86	86	89	90	90	86	91	93	91	94·2	8·1
16	93	95	93	94	93	97	97	99	95	93	84	76	76	78	81	83	89	93	90	91	85	84	85	91	89·0	9·1
17	89	93	92	89	89	91	91	93	87	82	75	72	73	75	81	81	83	89	88	91	88	89	89	86	85·8	8·2
18	90	90	91	95	100	100	100	99	100	97	95	95	99	94	91	91	86	85	89	90	94	95	99	97	94·0	7·8
19	99	100	100	100	100	100	100	100	99	97	87	83	87	86	85	89	89	89	89	89	88	93	97	97	93·5	6·8
20	91	91	89	88	89	89	87	81	82	81	77	77	81	78	79	77	82	79	81	83	81	81	83	85	83·3	**5·7**
21	87	91	89	91	97	97	93	97	92	94	87	83	82	89	85	76	78	88	87	87	88	89	89	89	88·5	7·1
22	88	91	95	93	96	96	99	95	91	85	80	75	78	75	82	85	88	90	86	81	79	83	88	89	87·0	7·2
23	89	89	89	88	89	91	89	88	87	84	82	80	75	69	67	65	73	83	87	91	91	97	99	95	84·7	7·4
24	97	94	97	94	95	91	91	91	90	85	86	87	91	91	87	94	91	91	91	92	90	90	90	94	91·3	9·1
25	93	93	97	97	99	95	97	100	97	99	96	92	88	86	82	79	76	73	80	88	89	91	94	95	90·6	9·2
26	95	96	91	89	91	93	96	96	96	99	91	73	65	64	63	65	66	70	79	71	70	83	70	72	81·5	9·3
27	77	81	82	79	81	80	79	76	71	69	70	71	68	69	70	68	71	74	78	83	80	81	81	79	**75·6**	8·3
28	83	79	81	77	73	73	72	78	75	70	67	74	69	81	75	69	78	75	87	90	87	89	87	81	77·9	8·5
Mean ...	90·8	91·3	91·4	91·1	92·0	91·9	91·8	**92·0**	89·8	88·1	85·5	83·3	80·8	80·4	**80·2**	80·3	82·4	84·1	85·9	87·9	87·7	89·3	90·1	89·6	87·4	8·5†
Vapour Pressure* ...	mb. 8·4	mb. 8·4	mb. 8·3	mb. 8·3	mb. 8·2	mb. 8·2	mb. **8·1**	mb. **8·1**	mb. 8·3	mb. 8·6	mb. **8·7**	mb. **8·7**	mb. **8·7**	mb. 8·6	mb. **8·7**	mb. 8·6	mb. 8·5	mb. 8·5	mb. 8·4	mb. 8·3	mb. 8·2	mb. 8·2	mb. 8·3	mb. 8·3	mb. 8·4‡	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours Greenwich Mean Time. Determined as explained on page 16.

414. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres.

March, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	86	81	83	82	81	80	76	72	71	69	66	64	61	59	56	57	68	73	81	86	91	93	96	93	75·8	8·3
2	79	76	72	76	74	81	82	81	75	69	64	60	59	60	59	63	67	81	81	83	86	89	89	92	75·0	8·1
3	92	99	99	97	99	97	97	99	97	97	89	78	70	64	61	55	60	67	75	86	89	93	93	91	85·2	7·5
4	91	88	89	89	91	93	93	92	89	89	87	85	79	77	75	76	76	82	86	88	85	88	88	95	86·2	7·5
5	93	100	99	97	99	99	100	100	97	87	80	81	78	73	73	83	83	85	89	93	91	93	95	97	90·2	8·0
6	99	99	97	99	100	99	99	99	97	95	84	73	73	71	69	78	87	91	92	83	86	91	93	93	89·5	8·9
7	93	93	93	94	91	94	94	90	85	81	93	85	72	96	92	91	84	87	93	89	83	85	91	86	89·1	9·0
8	85	86	93	90	90	95	94	93	91	94	91	83	75	75	65	80	83	85	85	87	85	87	89	92	86·3	8·0
9	93	89	83	84	77	79	77	77	79	81	83	87	85	88	87	84	80	79	81	85	85	86	82	83	83·3	**6·5**
10	82	79	79	80	84	90	90	93	93	92	91	89	83	79	81	73	76	75	82	83	82	85	85	81	83·7	7·0
11	83	81	81	81	85	89	87	85	85	83	77	75	71	68	66	66	70	74	75	77	80	79	81	82	78·3	6·6
12	84	89	96	93	93	97	91	93	85	75	69	65	64	64	63	66	69	71	71	80	87	89	91	91	80·5	6·6
13	91	93	95	94	99	99	99	97	97	94	91	89	86	87	89	85	91	90	90	89	85	87	88	91	91·5	8·6
14	92	93	95	91	91	91	91	88	91	87	86	79	67	66	72	69	72	65	69	73	77	81	81	83	81·4	7·1
15	83	86	86	90	90	92	92	95	92	91	89	85	89	85	85	85	91	92	94	94	93	93	91	88	89·5	7·3
16	94	93	93	93	93	95	93	91	89	89	84	79	81	82	82	86	86	86	89	86	85	86	87	87	87·9	8·2
17	86	89	86	88	93	93	94	91	89	85	82	79	76	71	69	71	75	72	76	80	82	83	84	85	82·5	8·1
18	85	88	87	88	89	89	89	85	82	78	74	68	63	64	60	62	66	67	73	77	79	83	87	87	77·9	7·3
19	85	89	89	89	91	91	91	85	83	79	77	68	65	64	64	68	74	77	76	82	83	85	89	91	80·5	7·4
20	99	99	97	97	95	97	99	100	97	97	95	91	86	79	72	73	68	72	81	85	85	89	86	91	88·7	7·9
21	93	91	93	91	95	91	94	95	91	86	86	81	75	71	68	77	83	84	87	93	97	100	100	99	88·2	9·2
22	100	100	99	100	100	99	100	99	94	95	90	87	85	83	82	82	85	86	89	91	93	95	97	99	92·9	8·6
23	100	100	100	100	100	100	99	100	100	99	99	95	86	93	85	81	91	91	91	91	91	91	93	93	**94·7**	9·0
24	93	91	93	91	93	91	95	94	86	79	81	76	66	64	63	64	63	73	78	86	87	97	99	93	83·2	8·7
25	90	97	94	97	94	95	100	94	88	85	85	81	80	80	77	75	72	69	81	93	91	96	96	96	87·7	10·7
26	99	100	99	100	100	100	100	100	99	95	81	73	73	73	78	73	77	78	83	89	99	100	99	99	90·3	**12·2**
27	96	100	100	100	99	100	99	93	80	72	64	55	53	53	53	49	50	56	62	69	73	88	91	90	77·1	11·5
28	89	89	91	90	90	92	89	85	75	70	62	62	61	61	61	65	69	79	84	83	82	83	82	84	78·4	10·3
29	84	84	87	85	87	87	87	85	80	75	77	80	76	73	73	78	82	88	85	93	95	95	95	94	84·2	9·8
30	99	95	97	97	95	100	94	92	82	76	67	61	57	56	63	57	59	59	65	70	77	73	70	74	76·9	9·2
31	71	72	77	81	86	85	84	79	72	73	67	62	61	64	65	67	63	71	75	80	85	85	89	86	**74·7**	9·2
Mean ...	90·0	90·6	91·0	91·1	91·7	**92·9**	92·5	91·0	87·5	84·4	81·0	76·7	72·8	72·3	**71·2**	72·2	74·6	77·6	81·3	84·7	86·1	88·7	89·6	89·9	84·2	8·5†
Vapour Pressure* ...	mb. 8·2	mb. 8·1	mb. 8·1	mb. 8·0	mb. **7·9**	mb. **7·9**	mb. 8·0	mb. 8·2	mb. 8·3	mb. 8·5	mb. 8·7	mb. **8·8**	mb. 8·7	mb. 8·7	mb. 8·6	mb. 8·6	mb. 8·7	mb. 8·5	mb. 8·5	mb. 8·6	mb. 8·4	mb. 8·5	mb. 8·5	mb. 8·4	mb. 8·4‡	

415. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

April, 1923.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	94	97	95	97	97	97	94	92	87	85	77	63	65	71	70	73	77	77	77	82	85	91	91	84·3	9·7
2	95	97	95	94	95	94	93	92	88	83	79	74	63	59	55	58	63	69	78	82	86	89	92	93	81·9	9·7
3	95	97	94	95	93	91	94	89	83	76	71	67	65	56	53	54	53	53	59	71	68	80	87	93	76·5	9·2
4	95	97	97	97	95	95	94	81	68	52	46	42	44	41	41	50	55	65	68	72	76	81	84	84	71·9	9·0
5	79	77	77	75	72	72	70	69	69	65	63	62	58	53	51	57	72	76	76	74	72	75	75	76	69·5	8·5
6	82	84	81	85	87	85	86	85	82	77	79	79	77	73	73	73	78	77	80	80	81	82	83	83	80·4	8·3
7	85	87	89	89	87	90	91	91	87	81	77	69	66	59	53	53	63	65	72	80	83	89	92	95	78·6	9·2
8	94	93	84	79	77	77	79	75	68	67	64	67	68	68	63	57	58	57	61	66	66	64	65	63	70·7	7·3
9	66	73	77	76	75	73	68	59	58	49	56	54	56	59	56	57	60	65	72	79	82	88	91	93	67·8	**5·4**
10	93	93	93	93	95	93	91	89	78	63	57	55	52	53	57	60	63	64	74	86	89	83	86	77	76·9	7·6
11	82	92	93	95	96	96	95	95	90	82	80	75	72	74	89	88	92	82	83	79	78	72	80	85	85·0	11·9
12	88	93	93	96	93	92	88	83	82	88	80	68	69	79	87	89	88	88	87	91	92	92	88	88	**86·7**	**12·3**
13	92	95	93	91	93	92	89	86	75	68	64	65	60	61	65	67	71	82	89	87	83	84	81	85	80·0	9·9
14	86	86	86	88	89	85	80	75	69	69	68	67	61	76	65	71	73	66	73	81	82	87	93	97	77·8	8·1
15	93	99	95	92	99	97	90	83	76	70	61	62	60	63	69	70	70	88	84	84	87	85	91	93	81·8	8·8
16	95	94	93	99	97	92	91	88	86	76	71	73	71	73	70	67	69	70	76	84	80	74	79	76	81·4	9·1
17	77	77	74	75	74	73	67	68	66	63	59	60	57	59	57	59	64	69	71	76	74	76	79	79	68·8	7·1
18	82	78	76	79	75	72	69	67	65	67	68	65	62	59	59	60	59	64	68	71	75	77	76	77	69·6	7·3
19	77	78	77	76	77	75	73	74	70	71	74	75	76	73	70	69	73	74	76	78	79	77	76	79	74·8	7·9
20	82	89	93	91	94	89	86	83	81	79	83	76	69	68	65	64	60	62	58	59	67	77	78	80	76·3	8·2
21	81	87	83	79	78	75	73	71	66	63	59	57	57	55	54	57	62	69	76	79	80	79	75	77	70·5	7·2
22	75	74	76	78	81	80	78	79	72	64	57	54	49	47	49	47	47	51	57	61	69	71	77	85	65·6	7·5
23	82	84	88	89	91	89	83	76	60	59	57	59	56	57	54	57	57	58	57	62	65	75	81	77	69·9	6·5
24	76	81	83	85	83	79	72	61	58	53	49	44	45	43	43	43	42	45	54	69	75	75	77	78	**63·0**	6·1
25	84	84	83	82	85	77	82	85	83	83	86	87	91	89	87	90	90	89	89	82	88	87	89	91	85·7	9·5
26	89	91	92	93	93	95	92	85	79	77	71	68	81	76	76	73	60	65	73	83	72	71	79	81	80·0	9·2
27	81	87	84	88	88	85	79	74	67	61	57	54	52	48	46	47	44	53	62	61	67	73	81	87	67·6	7·3
28	88	91	93	94	93	91	85	80	64	55	51	46	46	52	62	73	66	71	63	75	74	78	83	86	73·4	8·1
29	86	84	84	83	87	92	91	89	85	83	78	81	70	69	72	73	75	73	77	86	89	90	90	90	82·3	10·4
30	89	88	87	87	89	89	83	81	82	82	82	78	79	73	73	72	75	77	82	85	83	82	82	83	81·9	11·8
Mean ...	85·3	87·5	87·0	87·3	**87·6**	86·1	83·6	80·2	75·0	70·4	67·7	65·2	63·2	**62·7**	62·8	64·2	65·8	68·8	72·4	76·7	78·1	79·9	82·7	84·1	76·0	8·6†
Vapour Pressure* ...	mb. 8·3	mb. 8·2	mb. 8·2	mb. 8·2	mb. **8·1**	mb. **8·1**	mb. 8·3	mb. 8·3	mb. 8·4	mb. 8·3	mb. 8·4	mb. 8·4	mb. 8·6	mb. **8·7**	mb. 8·6	mb. **8·7**	mb. **8·7**	mb. **8·7**	mb. 8·6	mb. **8·7**	mb. 8·5	mb. 8·5	mb. 8·5	mb. 8·4	mb. 8·4‡	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

416. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres.

May, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	83	83	84	84	85	89	85	79	74	72	71	69	71	73	70	66	66	65	73	75	80	87	92	93	77·7	11·9
2	95	96	99	99	97	95	92	87	74	73	69	64	62	59	56	57	57	59	61	77	79	82	85	89	77·7	12·6
3	97	97	93	95	96	97	93	89	80	74	67	62	58	55	47	50	52	49	56	69	77	79	88	92	75·5	14·2
4	91	95	95	97	96	96	84	74	64	57	54	49	47	47	49	49	53	53	57	69	75	79	82	85	70·8	14·5
5	86	89	92	96	95	95	84	78	74	77	70	61	53	47	49	53	46	46	47	57	64	69	78	82	70·4	**14·6**
6	87	89	91	91	87	88	82	82	76	65	55	53	50	52	49	45	47	51	54	61	65	69	75	72	68·4	12·2
7	75	76	80	78	82	80	75	69	67	63	61	60	60	60	58	59	63	66	67	69	69	73	81	85	69·5	11·0
8	83	83	88	87	86	82	79	79	75	67	60	57	54	51	51	54	54	53	52	55	57	52	60	66	66·4	9·8
9	65	65	70	72	73	71	69	66	61	59	59	55	53	54	53	51	57	59	63	69	74	73	79	85	**64·4**	8·6
10	81	81	81	83	84	81	76	77	81	81	79	68	65	58	48	48	41	43	49	56	66	70	68	79	68·6	7·2
11	83	83	85	86	85	79	75	67	58	59	56	55	55	49	60	63	53	64	80	68	65	78	79	81	69·4	7·5
12	85	84	82	87	87	84	77	72	63	60	56	74	84	68	64	81	78	60	61	64	77	76	81	85	74·5	6·9
13	89	87	88	91	93	95	94	88	82	76	70	53	51	52	48	50	51	53	53	64	69	70	83	81	72·2	7·5
14	85	87	91	91	93	90	83	73	68	61	56	51	49	45	48	46	42	47	52	65	68	74	73	76	67·4	7·6
15	77	78	79	81	82	79	76	75	73	65	75	67	87	78	81	81	80	70	81	85	87	89	91	94	79·3	8·7
16	91	93	91	93	92	89	85	80	80	71	57	76	58	83	59	58	58	62	64	71	76	76	81	82	76·3	7·3
17	81	81	83	85	85	84	85	77	62	60	61	52	55	56	47	50	52	56	51	59	64	67	70	76	66·7	**6·8**
18	77	77	80	80	77	77	73	63	57	60	57	56	57	55	57	59	57	62	68	71	75	77	82	83	68·1	7·2
19	86	86	88	88	87	83	78	75	76	74	72	68	63	68	66	68	67	68	68	70	75	78	81	83	75·7	9·2
20	81	81	81	82	82	81	75	74	70	61	63	65	65	59	67	69	70	74	73	76	78	84	87	89	74·3	9·9
21	91	92	91	90	90	87	83	79	73	69	64	61	61	62	57	53	55	55	61	67	70	76	83	87	73·3	10·5
22	91	92	91	88	87	86	87	89	87	80	71	63	65	59	56	57	57	61	66	74	78	85	91	89	77·0	11·2
23	88	89	89	87	85	84	81	74	71	73	88	77	89	83	93	92	92	91	91	92	91	89	90	90	86·2	11·2
24	94	97	99	99	95	88	83	70	63	62	58	54	52	50	51	53	51	51	55	65	79	82	85	87	71·8	8·3
25	90	93	86	86	85	87	86	84	78	75	62	56	52	59	51	62	65	64	68	72	69	71	78	83	73·5	8·5
26	85	90	91	92	90	88	86	76	63	63	57	52	55	53	53	54	57	59	61	65	67	75	78	81	70·5	8·2
27	86	87	84	90	90	91	81	77	68	64	62	64	64	57	58	63	67	70	80	79	81	84	86	87	75·7	8·5
28	89	93	95	95	95	95	89	92	89	95	79	78	74	82	82	83	64	65	89	95	93	92	92	93	86·9	10·3
29	95	94	95	95	99	99	96	88	92	95	93	92	91	91	88	92	89	89	93	92	95	97	97	97	**93·4**	10·5
30	100	100	97	99	95	99	99	96	93	86	77	74	65	62	62	72	75	68	75	75	77	77	81	85	83·1	10·7
31	84	85	89	86	87	86	86	83	80	79	77	75	73	70	67	67	65	70	72	75	78	77	83	83	78·3	9·0
Mean ...	86·2	87·2	88·0	**88·8**	88·5	87·3	83·1	78·5	73·3	70·2	66·3	63·3	62·5	61·2	**59·5**	61·5	60·7	61·4	65·8	71·0	74·8	77·7	81·9	84·5	74·3	9·7†
Vapour Pressure.* ...	mb. 9·4	mb. 9·4	mb. 9·3	mb. 9·3	mb. **9·2**	mb. 9·4	mb. **9·6**	mb. **9·6**	mb. 9·5	mb. 9·5	mb. 9·5	mb. 9·5	mb. **9·6**	mb. 9·5	mb. 9·4	mb. **9·6**	mb. **9·6**	mb. 9·4	mb. 9·4	mb. 9·4	mb. 9·5	mb. 9·4	mb. 9·5	mb. 9·5	mb. 9·5‡	

417. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

June, 1923.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	83	85	86	86	91	92	88	83	85	81	81	78	76	77	72	76	78	79	79	82	83	82	85	87	82·2	10·3
2	88	88	88	89	91	89	88	84	83	87	82	77	78	77	75	73	74	72	75	75	76	76	77	85	81·2	9·7
3	95	97	95	97	95	93	89	82	77	73	62	49	53	49	45	51	55	53	63	68	72	73	74	78	72·5	10·3
4	80	89	85	84	81	77	72	74	68	62	58	61	60	59	58	59	60	64	66	70	69	72	77	77	70·1	**8·2**
5	80	80	83	85	82	83	80	77	74	76	76	73	67	66	58	57	54	53	59	65	71	71	70	81	71·6	8·7
6	87	90	85	82	83	78	77	76	85	81	77	69	68	83	82	87	87	92	92	93	93	93	93	86	**84·0**	11·1
7	87	89	88	87	89	87	84	78	71	67	65	67	65	63	63	65	67	65	69	72	79	78	79	83	75·3	11·6
8	85	86	87	92	88	86	84	71	65	64	62	60	57	59	57	63	65	68	70	71	74	78	79	82	73·1	11·1
9	83	83	87	87	89	88	87	86	85	82	84	84	83	83	82	80	79	80	80	83	83	87	86	87	84·0	**14·1**
10	88	88	89	89	88	85	82	79	83	84	84	81	60	47	47	47	46	48	57	61	65	67	74	77	71·7	12·5
11	81	81	86	87	86	81	75	59	58	60	58	63	55	48	47	47	48	52	53	57	63	70	71	79	65·2	9·8
12	80	89	87	86	85	78	73	70	65	60	57	54	50	54	55	60	61	69	77	81	87	93	93	93	72·9	10·2
13	94	93	93	93	89	91	85	79	74	77	67	53	51	50	46	47	55	56	56	61	59	61	63	67	69·7	12·5
14	66	69	67	70	74	77	75	72	68	61	63	60	59	60	55	56	55	55	59	63	61	63	67	73	64·4	9·7
15	71	70	75	76	75	68	72	71	66	62	66	63	65	80	86	87	88	87	89	91	91	93	94	81	77·6	11·2
16	81	71	72	72	75	75	87	83	78	83	81	69	68	66	63	61	59	60	65	67	69	73	71	74	71·9	9·2
17	75	78	81	83	78	76	70	61	59	59	57	58	55	55	53	51	47	51	53	68	75	81	87	91	66·4	8·5
18	93	91	97	90	91	91	85	79	74	69	68	63	60	65	59	68	65	70	72	75	79	86	87	88	77·7	10·6
19	87	87	88	90	93	92	94	93	93	92	79	75	68	62	59	59	59	55	59	62	63	66	66	70	75·8	11·5
20	72	76	78	80	82	82	79	78	76	73	71	59	59	60	57	59	63	65	64	68	76	73	76	75	70·7	9·5
21	77	81	82	85	84	79	73	69	65	65	63	63	60	59	58	66	71	72	78	81	83	86	87	89	73·7	11·8
22	90	91	93	91	88	82	78	76	70	73	67	61	57	59	58	54	59	58	57	61	67	70	76	80	71·7	13·7
23	82	87	87	87	90	82	80	70	69	67	61	57	54	51	48	51	51	49	49	55	66	67	67	66	66·7	13·9
24	70	69	75	73	73	67	66	67	65	57	55	52	55	56	49	53	56	61	63	62	65	65	67	68	**62·8**	12·9
25	69	72	76	75	76	74	69	71	70	69	74	69	77	82	81	85	87	82	86	89	84	96	92	93	78·5	12·1
26	90	91	95	93	92	88	86	80	75	73	73	76	87	83	77	72	73	73	78	80	85	92	92	97	83·3	11·7
27	93	96	95	96	99	93	90	86	79	73	75	77	68	62	62	63	67	53	51	55	68	76	82	85	77·1	12·0
28	90	89	90	91	90	90	90	71	61	56	52	51	49	49	52	55	58	62	62	66	73	79	81	90	70·6	12·4
29	88	85	86	87	88	86	85	78	70	66	63	58	51	49	47	44	45	44	57	71	75	80	89	90	70·1	13·2
30	92	95	97	95	91	84	77	69	64	61	56	56	56	53	56	59	61	64	65	66	69	72	74	79	71·5	12·7
Mean ...	83·2	84·5	85·8	**85·9**	85·9	83·1	80·7	75·7	72·5	70·4	67·9	64·5	62·4	62·2	**60·2**	61·8	63·1	63·7	66·8	70·6	74·1	77·3	79·2	81·7	73·5	11·2†
Vapour Pressure.* ...	mb. 10·8	mb. 10·7	mb. 10·7	mb. **10·6**	mb. 10·8	mb. 10·7	mb. 11·2	mb. 11·1	mb. 11·3	mb. 11·2	mb. 11·3	mb. 11·0	mb. 11·1	mb. 11·1	mb. 11·0	mb. 11·3	mb. 11·3	mb. 11·1	mb. 11·3	mb **11·4**	mb. 11·2	mb. 11·1	mb. 11·1	mb. 11·0	mb. 11·1‡	

Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperatures and mean relative humidities. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

418. Richmond (Kew Observatory): North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres.

July, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	81	81	81	86	80	77	75	67	59	56	57	61	59	57	53	53	52	55	58	61	63	66	70	74	66·0	11·1
2	77	82	85	86	87	84	78	65	62	59	55	53	53	52	54	55	58	61	65	70	76	77	83	86	69·0	12·3
3	88	90	92	91	92	92	87	75	67	71	70	67	65	69	70	74	72	75	75	75	79	80	82	84	78·5	13·7
4	86	88	87	82	79	79	70	70	64	63	58	57	55	51	50	51	48	53	50	60	65	71	78	87	66·7	13·5
5	88	90	95	97	93	88	79	68	59	61	55	54	49	45	43	42	41	47	51	57	62	65	67	70	65·6	15·4
6	74	78	81	83	82	79	73	68	63	55	50	46	45	43	42	41	42	45	49	58	64	67	70	73	61·3	16·9
7	78	80	79	80	79	71	57	47	45	43	39	37	38	37	37	42	45	54	54	53	66	65	59	68	**56·5**	17·6
8	73	77	79	80	80	80	81	79	76	70	64	63	57	50	45	45	39	41	44	49	68	70	74	79	64·9	15·9
9	79	89	89	88	89	84	79	69	57	54	47	43	39	39	35	33	41	41	45	65	75	74	87	97	63·7	15·4
10	94	97	97	94	97	90	89	91	88	69	64	65	60	56	49	53	60	62	74	90	89	96	93	93	79·7	20·2
11	91	94	95	95	99	91	87	77	72	70	63	62	58	48	47	44	49	47	50	58	77	79	82	83	71·8	**21·6**
12	86	91	90	93	96	88	83	77	58	47	47	47	46	44	42	45	43	46	43	49	55	56	59	59	62·6	21·4
13	61	59	62	64	67	67	64	56	49	47	43	47	39	40	40	52	53	54	55	69	71	80	79	81	57·8	18·9
14	86	87	83	87	82	81	80	77	72	67	68	66	61	56	56	61	62	60	64	73	78	79	81	79	72·8	19·5
15	81	81	86	88	89	93	80	76	68	65	61	61	58	57	62	65	69	66	73	83	79	87	84	82	74·3	17·9
16	84	89	89	90	90	90	90	83	88	72	57	53	48	46	44	43	43	44	50	53	60	59	61	67	66·7	15·0
17	70	74	80	83	83	79	75	67	64	57	57	57	63	57	67	83	76	77	83	79	79	79	92	87	73·3	13·6
18	90	92	91	92	89	85	84	78	69	61	47	51	49	49	44	46	47	50	55	60	62	67	73	75	67·2	12·6
19	79	83	85	90	89	83	79	68	60	59	53	55	57	73	71	79	73	79	85	89	90	91	90	88	76·7	13·5
20	90	88	89	90	90	88	87	79	72	69	67	60	55	51	51	48	48	46	47	57	63	69	75	81	69·3	17·2
21	83	85	87	88	84	84	80	75	69	67	63	57	56	53	49	49	49	47	51	59	66	72	77	80	68·0	16·2
22	81	87	88	89	92	88	83	76	70	69	63	63	59	56	53	53	53	55	55	61	61	69	74	81	69·9	15·9
23	82	85	87	86	85	82	76	73	70	66	64	60	59	59	80	75	75	77	80	89	91	90	89	90	77·7	15·5
24	90	89	77	73	78	77	72	69	57	55	55	53	50	47	48	42	42	43	47	52	70	75	75	75	63·3	13·4
25	75	78	77	82	85	84	83	79	77	77	64	64	82	88	88	87	88	82	74	77	78	80	83	86	79·7	16·1
26	88	88	90	89	88	80	70	59	56	55	51	47	47	46	45	45	44	43	45	51	55	60	64	69	61·8	**10·8**
27	73	77	82	83	83	77	76	68	59	53	52	50	57	49	48	52	59	56	61	67	67	69	78	80	65·5	11·3
28	82	84	87	89	88	86	81	83	77	72	80	87	84	84	76	64	70	63	65	73	80	84	86	89	79·5	15·1
29	90	94	93	95	94	89	87	79	71	67	62	58	59	59	61	54	56	59	60	67	72	77	79	80	73·6	13·9
30	84	94	92	91	90	84	79	70	65	63	59	54	53	51	67	69	66	67	70	73	79	83	90	89	74·0	14·4
31	91	89	89	91	88	85	80	76	72	67	65	60	63	75	79	83	89	91	83	88	90	86	82	82	**81·1**	13·9
Mean ...	82·4	85·2	85·9	**86·9**	86·7	83·4	78·8	72·4	66·3	62·1	58·1	56·7	55·6	**54·4**	54·7	55·7	56·5	57·6	60·0	66·6	71·9	74·9	77·9	80·5	69·6	15·5†
Vapour Pressure.*	mb. 15·1	mb. 15·0	mb. 14·8	mb. 14·7	mb. 14·9	mb. 14·9	mb. 15·0	mb. 14·8	mb. 14·7	mb. 14·6	mb. **14·5**	mb. 14·7	mb. 15·1	mb. 15·1	mb. 15·4	mb. 15·4	mb. **15·7**	mb. 15·4	mb. 15·3	mb. 15·4	mb. 15·6	mb. 15·3	mb. 15·2	mb. 15·2	mb. 15·1‡	—

419. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

August, 1923.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	90	91	91	93	88	83	73	68	63	59	52	53	46	43	45	48	42	49	61	73	76	79	84	68·3	12·4
2	88	87	88	92	93	89	81	70	60	57	49	49	49	53	63	68	58	53	57	66	72	75	79	79	69·9	13·8
3	78	81	79	81	81	80	75	69	62	59	50	43	40	43	41	39	41	43	45	54	59	66	74	77	60·9	11·4
4	83	82	91	91	92	84	82	80	73	65	57	50	51	45	45	43	45	51	55	59	73	84	89	91	68·9	12·8
5	92	93	96	97	97	77	72	67	58	55	49	46	44	41	42	39	41	42	47	59	72	69	77	82	65·0	13·5
6	85	87	87	90	91	88	86	77	72	62	55	53	43	39	39	43	42	41	50	59	64	76	77	82	66·2	13·9
7	83	83	88	95	94	91	86	75	67	61	59	55	50	48	45	48	47	46	52	61	66	71	79	82	68·0	15·0
8	87	87	87	88	89	85	83	78	70	65	65	58	56	53	47	47	42	43	41	59	65	69	82	87	67·9	16·3
9	93	89	94	94	95	86	75	66	55	48	43	39	44	43	44	47	49	59	62	71	72	75	81	85	67·1	16·7
10	89	90	92	92	92	90	83	78	71	61	55	49	49	47	43	44	45	46	52	58	61	65	63	69	66·3	15·3
11	69	72	72	73	74	74	64	53	51	48	47	43	41	41	41	39	41	44	46	53	59	66	79	83	**56·9**	12·4
12	92	93	93	94	93	88	75	59	54	49	48	48	45	43	42	43	44	43	49	57	64	62	65	66	63·3	13·5
13	65	76	80	85	85	86	76	67	58	53	51	53	53	55	53	51	54	58	61	69	73	77	82	85	66·5	16·5
14	88	92	92	90	90	85	83	77	69	58	56	61	55	58	56	55	55	57	62	76	81	85	81	83	72·7	**18·8**
15	83	77	82	84	84	90	93	88	88	80	70	57	57	45	47	44	36	43	51	55	57	63	69	77	67·6	12·8
16	77	81	85	85	86	83	82	70	61	53	50	48	45	45	47	47	46	45	55	55	60	61	67	72	62·9	10·4
17	73	73	74	72	72	73	73	66	59	59	76	84	78	75	78	76	86	66	64	73	75	78	79	87	73·4	13·2
18	87	87	87	87	87	84	84	79	72	65	57	59	85	79	77	71	61	65	64	72	76	78	76	77	75·9	13·4
19	79	85	87	88	90	85	83	77	69	65	61	61	60	54	58	55	58	62	66	68	72	76	80	84	71·7	12·8
20	85	86	86	86	88	87	86	82	84	79	78	79	79	78	73	72	78	78	81	82	84	83	85	86	81·8	15·4
21	88	86	85	87	84	83	82	80	64	61	59	63	67	67	70	67	49	48	56	63	69	69	77	78	71·1	14·4
22	77	79	82	81	80	79	75	68	63	60	53	53	54	45	43	49	51	51	49	59	64	69	70	75	63·7	11·0
23	80	81	83	84	86	89	80	73	64	57	54	57	58	59	74	80	84	88	93	94	91	88	93	93	77·7	12·6
24	93	93	92	94	94	94	91	89	94	87	77	69	82	85	81	74	72	75	80	78	78	74	82	87	84·1	14·3
25	85	81	81	83	87	87	84	73	73	68	61	59	57	59	63	65	69	73	73	75	76	80	86	85	74·3	12·0
26	82	79	79	84	91	91	90	89	82	70	66	67	63	65	65	59	58	59	71	79	80	85	85	88	76·1	14·7
27	89	90	92	93	93	92	85	76	64	62	57	55	69	71	69	64	70	73	76	81	80	81	79	83	77·0	12·3
28	87	87	87	81	82	78	79	71	67	67	59	52	48	46	49	51	54	56	61	65	71	76	76	82	68·0	10·7
29	82	85	87	89	91	87	83	89	95	96	91	86	91	90	91	93	91	87	82	89	83	77	76	68	**86·9**	12·4
30	65	63	63	68	73	73	70	61	58	53	51	50	51	46	45	48	48	56	59	66	73	78	79	82	61·3	**8·9**
31	85	86	87	91	94	93	86	77	69	64	60	55	50	54	51	58	61	66	73	83	86	87	93	91	74·8	10·3
Mean ...	83·2	83·9	85·5	86·8	**87·8**	85·1	81·0	74·1	68·2	62·9	58·8	56·5	57·0	**55·4**	55·7	55·0	55·6	56·7	60·7	67·7	71·9	74·8	78·7	81·6	70.2	13·4†
Vapour Pressure.*	mb. 13·1	mb. 12·9	mb. 12·8	mb. **12·7**	mb. **12·7**	mb. **12·7**	mb. 13·2	mb. 13·0	mb. 13·1	mb. 12·9	mb. **12·7**	mb. **12·7**	mb. 13·1	mb. 13·2	mb. **13·5**	mb. 13·3	mb. 13·3	mb. 13·1	mb. 13·2	mb. 13·3	mb. 13·3	mb. 13·2	mb. 13·2	mb. 13·1	mb. 13·1‡	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

420. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres.

September, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	91	95	95	97	99	99	93	88	83	72	72	77	63	51	50	51	55	60	71	74	77	77	80	83	77·4	10·4
2	87	87	89	89	91	91	85	77	64	56	53	55	53	56	51	50	53	59	66	77	86	86	93	89	72·5	10·0
3	99	92	99	93	97	97	93	85	75	66	61	55	53	50	50	48	47	53	71	75	82	85	88	92	75·2	10·2
4	97	93	89	91	95	92	86	83	91	93	93	94	93	94	96	89	79	80	73	73	75	82	84	88	**87·7**	12·1
5	87	91	91	93	92	91	88	89	85	71	63	59	57	57	54	55	57	62	72	79	83	87	90	92	76·8	11·7
6	92	93	96	99	97	99	97	96	92	89	82	76	67	66	62	63	61	56	68	76	79	83	87	88	81·9	13·0
7	91	92	96	97	97	94	93	91	87	83	76	75	73	75	64	61	58	63	68	70	69	68	72	79	79·0	13·8
8	82	85	92	93	94	95	93	88	81	64	61	53	53	52	51	51	51	59	69	80	84	95	91	96	75·2	11·0
9	96	97	99	100	99	97	95	89	86	79	72	65	60	57	52	60	55	60	71	81	86	94	93	93	80·7	12·8
10	92	100	96	95	96	97	95	91	82	71	70	61	58	58	57	59	59	66	71	69	82	80	83	85	78·2	14·2
11	82	92	93	92	89	92	89	83	80	80	73	69	64	53	49	48	49	55	70	77	79	83	78	80	75·1	13·6
12	79	78	82	82	85	86	83	82	75	68	65	63	59	57	56	55	57	61	72	80	83	89	95	96	74·2	12·4
13	97	99	97	100	97	100	100	95	91	85	77	68	60	55	57	57	57	65	70	81	82	80	82	81	80·8	13·9
14	81	88	88	89	89	90	88	83	80	71	68	63	60	59	66	67	69	73	78	93	91	93	93	91	79·4	14·8
15	91	91	88	87	88	91	90	83	77	72	68	62	68	79	81	83	87	83	90	90	88	92	93	93	83·9	11·9
16	93	93	95	95	95	95	94	92	83	64	60	59	55	52	48	53	57	63	76	81	82	87	89	91	77·2	9·6
17	94	99	99	97	97	95	97	82	72	63	54	53	50	52	47	55	55	67	78	84	86	89	92	93	77·0	10·0
18	93	92	89	91	93	90	91	85	75	74	85	78	68	64	65	64	63	70	76	81	81	83	88	91	80·5	10·8
19	92	93	93	94	95	93	91	83	72	65	61	64	65	63	65	80	82	85	91	91	89	88	87	87	82·1	10·6
20	87	87	87	83	80	78	77	73	68	60	56	55	58	57	58	61	62	67	69	72	76	76	75	85	**71 2**	**9·5**
21	92	95	96	97	95	95	93	85	77	74	70	71	73	55	61	61	64	65	67	71	77	81	84	91	78·6	10·8
22	89	88	93	95	92	85	85	82	82	85	84	73	67	85	79	82	83	83	89	92	85	89	91	95	85·5	12·0
23	95	92	93	93	96	99	96	86	83	88	76	69	66	62	66	69	82	83	78	79	81	81	84	82	83·7	10·8
24	84	88	89	91	92	95	96	91	81	73	65	64	60	55	55	59	67	73	79	81	87	92	93	89	79·0	10·7
25	88	89	93	93	89	89	86	81	74	66	70	62	69	63	64	65	65	70	75	72	68	74	77	81	76·1	11·7
26	85	86	85	85	82	81	80	87	81	79	76	67	66	67	71	73	75	80	81	85	91	91	94	95	80·7	13·2
27	96	95	95	95	97	95	97	92	84	80	72	67	67	59	61	63	69	76	78	82	87	90	92	93	82·6	13·4
28	91	93	96	95	91	92	92	82	76	74	72	71	72	73	82	84	80	82	85	85	85	89	90	92	84·4	14·7
29	94	94	92	91	93	93	93	95	90	87	80	77	74	74	75	73	80	87	88	89	93	93	91	92	87·0	**18·2**
30	94	94	93	95	95	94	94	89	83	75	72	74	72	69	71	67	66	73	87	92	93	95	93	96	84·3	18·0
Mean ...	90·4	91·7	92·6	**92·9**	**92·9**	92·7	91·0	86·3	80·3	74·2	70·2	66·6	64·1	62·3	**62·1**	63·5	64·8	69·3	75·9	80·4	82·9	85·7	87·4	89·3	79·6	12·3†
Vapour Pressure* ...	mb. 11·6	mb. 11·5	mb. 11·5	mb. 11·4	mb. **11·2**	mb. **11·2**	mb. 11·6	mb. 11·9	mb. 12·2	mb. 12·1	mb. 12·3	mb. 12·3	mb. 12·4	mb. 12·3	mb. 12·4	mb. **12·6**	mb. **12·6**	mb. 12·4	mb. **12·6**	mb. 12·5	mb. 12·3	mb. 12·3	mb. 12·0	mb. 11·9	mb. 12·0‡	—

421. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

October, 1923.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	97	97	99	99	100	96	99	95	97	94	90	90	94	90	91	90	89	89	90	92	91	93	93	89	**93·6**	**14·8**
2	86	91	92	93	92	93	89	86	80	72	73	75	72	79	80	81	82	89	93	92	87	79	81	82	84·3	11·9
3	79	79	81	84	89	91	92	86	82	79	81	87	86	87	91	91	95	91	91	89	85	80	79	79	85·6	9·0
4	78	79	79	79	77	76	77	78	74	67	62	57	59	57	56	57	60	64	65	71	74	79	83	85	**70·4**	**7·9**
5	85	89	91	93	95	97	97	91	85	85	72	67	66	67	66	72	76	78	79	79	83	84	85	89	82·0	8·0
6	91	93	96	97	97	96	96	96	89	83	76	64	59	63	60	67	69	77	85	87	89	92	95	95	83·7	11·1
7	95	97	97	96	99	96	97	95	91	85	76	67	73	76	79	77	73	77	83	83	92	96	97	97	87·2	11·6
8	97	96	96	99	99	99	97	95	83	74	71	67	67	57	63	73	79	76	83	87	93	91	93	94	84·6	12·6
9	94	91	92	90	89	89	85	83	86	79	74	67	53	53	54	58	65	73	76	79	78	80	80	82	77·3	13·0
10	82	83	84	84	83	83	84	84	86	81	82	85	90	93	90	87	92	89	92	93	87	79	80	91	85·8	13·4
11	93	92	93	95	93	93	91	92	88	85	85	85	83	82	87	88	88	89	91	91	90	90	92	96	89·5	12·2
12	96	96	96	96	99	97	97	99	97	95	92	88	91	92	92	89	89	88	89	89	85	83	89	89	92·3	11·9
13	86	87	86	86	82	80	78	78	75	68	67	66	63	58	63	68	73	80	84	87	87	91	93	94	78·2	8·6
14	93	94	97	97	97	97	93	93	89	84	76	68	75	71	74	75	76	83	89	94	94	92	93	97	87·1	8·2
15	97	97	97	97	97	97	97	97	89	83	76	67	65	63	59	64	71	80	83	91	89	91	93	93	84·8	10·2
16	99	99	95	97	94	95	93	87	84	78	74	67	67	67	73	73	75	79	83	87	91	93	93	95	84·9	9·3
17	95	97	99	99	97	96	97	95	90	74	73	70	73	77	79	81	82	83	85	87	90	91	92	91	87·3	11·2
18	93	93	95	100	99	99	93	89	84	87	89	80	70	71	71	71	76	77	80	82	86	91	91	89	85·7	11·3
19	88	89	87	86	87	82	80	81	79	79	80	83	89	93	91	93	93	89	90	93	97	92	91	92	87·6	13·7
20	93	96	95	96	96	95	93	96	91	82	75	69	65	64	67	72	78	83	83	82	83	83	87	91	84·0	10·7
21	90	88	83	81	80	84	79	87	83	81	79	75	81	87	89	82	78	85	85	83	85	86	84	82	83·4	11·6
22	82	82	85	86	89	86	85	79	75	67	67	62	62	86	82	79	80	84	83	85	83	81	84	85	79·9	9·4
23	85	87	87	87	89	86	86	92	92	94	93	93	89	84	85	82	81	83	80	81	81	84	87	89	86·5	11·1
24	85	87	92	92	93	95	91	85	80	73	67	63	59	61	67	70	74	76	83	82	85	85	87	83	79·9	9·9
25	81	82	82	83	80	80	77	74	74	68	59	60	59	61	64	71	71	73	80	81	87	91	89	87	75·5	9·7
26	87	85	88	84	81	84	91	92	92	78	70	68	76	65	66	71	77	78	83	85	81	77	75	81	79·9	10·4
27	89	82	78	87	89	85	87	91	92	84	79	83	76	71	65	69	69	64	68	69	69	76	73	77	78·1	11·2
28	81	82	84	87	87	86	87	86	84	81	67	68	66	73	70	69	74	81	81	82	85	86	89	93	80·0	10·7
29	91	93	93	97	97	97	94	88	83	77	76	76	69	65	65	70	76	78	79	81	78	76	79	74	81·7	10·3
30	79	78	81	84	88	88	88	85	85	85	83	83	79	80	82	80	83	84	84	88	91	93	95	97	84·7	12·5
31	97	96	96	99	96	97	96	99	96	86	76	73	66	67	63	68	76	92	97	99	100	100	100	100	88·9	10·8
Mean ...	89·2	89·6	90·2	**91·3**	91·1	90·8	89·9	88·8	85·7	80·3	76·1	73·3	**72·3**	72·9	73·7	75·4	78·1	81·0	83·8	85·5	86·3	86·6	87·8	89·0	83·7	10·9†
Vapour Pressure* ...	mb. 10·6	mb. 10·6	mb. 10·6	mb. 10·7	mb. 10·6	mb. 10·6	mb. 10·6	mb. 10·8	mb. **11·1**	mb. 11·0	mb. 11·0	mb. 10·9	mb. 10·7	mb. 10·8	mb. 10·9	mb. 10·7	mb. 10·7	mb. 10·7	mb. 10·7	mb. 10·6	mb. 10·6	mb. 10·5	mb. **10·4**	mb. 10·5	mb. 10·7‡	
Hour G.M.T	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

Percentages at exact hours, Greenwich Mean Time. Determined as explained on page 16.

422. Richmond (Kew Observatory) : North Wall Screen : h_t (height of thermometer bulbs above the ground) = 3·0 metres.

November, 1923.

Day.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	Vapour Pressure.*
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	100	99	100	99	97	99	100	97	93	99	99	97	92	89	91	92	93	95	96	99	96	100	100	100	**96·7**	9·8
2	100	100	100	100	100	100	100	100	99	97	91	89	77	70	73	77	82	89	90	91	91	91	85	84	91·0	9·0
3	83	86	92	92	92	91	88	85	80	80	81	81	76	84	86	83	87	82	72	67	77	68	73	77	81·9	**11·3**
4	76	76	79	81	78	79	82	80	75	70	66	60	56	57	57	63	69	76	76	79	81	81	85	85	**73·5**	7·6
5	88	89	93	91	91	91	93	93	89	86	81	79	77	79	77	81	82	89	91	99	95	93	93	94	87·9	8·7
6	93	91	89	93	91	93	93	95	93	91	82	68	67	71	73	78	79	84	92	86	89	91	93	87	86·0	7·3
7	90	91	91	90	92	94	95	94	92	85	83	73	64	64	65	67	77	83	89	91	93	94	97	95	85·2	5·9
8	93	95	95	99	95	99	95	95	99	91	93	94	79	71	74	77	79	85	84	85	87	93	93	97	89·4	5·9
9	99	99	99	95	95	95	99	99	99	99	95	97	93	92	93	93	88	87	88	85	74	75	76	73	91·6	7·2
10	70	69	73	73	77	75	83	83	79	82	75	65	67	70	67	69	71	76	72	74	79	78	77	73	74·0	6·8
11	80	81	77	79	83	87	85	87	83	75	70	69	68	69	69	72	76	85	93	97	95	93	97	97	81·5	6·3
12	99	99	96	99	99	99	96	99	93	89	89	87	83	83	83	89	89	90	94	93	95	94	95	97	92·9	7·0
13	97	94	94	93	93	88	88	83	80	73	71	71	68	68	67	71	69	74	79	81	87	88	89	89	81·6	9·9
14	88	88	89	89	88	91	78	79	80	71	63	56	59	58	55	59	65	70	75	77	76	77	83	84	75·0	7·5
15	89	87	88	88	95	93	87	89	85	82	80	89	91	79	70	75	73	75	73	69	68	68	68	62	80·6	7·5
16	62	63	67	69	72	75	79	83	83	79	75	71	70	66	75	68	75	81	78	82	79	81	85	86	74·7	7·2
17	85	83	81	79	79	87	88	89	79	76	78	71	67	64	63	67	72	71	77	82	82	79	83	85	77·8	7·1
18	89	89	87	87	93	93	89	89	95	90	87	79	67	64	64	69	76	83	87	89	90	95	89	89	84·5	6·4
19	89	88	87	83	87	85	87	85	85	81	73	72	68	67	67	71	76	79	83	81	82	82	87	87	80·5	6·5
20	87	91	89	94	96	99	97	91	89	88	84	81	82	76	75	82	83	87	87	87	85	84	85	87	86·9	6·1
21	89	89	85	90	90	90	91	89	89	85	87	82	79	76	77	80	82	87	83	88	89	88	88	88	85·8	6·6
22	88	89	88	89	89	88	89	90	89	85	88	83	79	81	80	83	85	83	85	89	89	91	87	87	86·5	6·5
23	85	88	87	79	81	76	79	75	77	77	77	77	75	73	80	84	88	89	84	85	89	91	89	91	82·3	5·6
24	88	85	88	87	87	89	89	89	96	97	95	93	89	87	96	97	97	98	97	93	89	91	95	93	91·8	5·8
25	93	99	97	99	99	97	99	99	99	99	99	91	93	96	99	99	99	96	99	99	96	87	95	91	96·7	5·1
26	91	87	97	99	95	95	91	91	99	99	99	99	99	99	99	93	99	99	99	99	96	99	99	95	96·5	**4·8**
27	99	99	99	99	99	95	91	95	91	91	97	99	99	96	81	90	90	91	91	89	89	91	89	89	93·4	4·9
28	83	87	87	89	89	87	83	84	83	83	80	81	81	83	83	88	95	93	97	95	95	95	96	96	87·9	6·1
29	96	96	96	96	95	95	96	95	91	95	91	88	87	85	87	87	88	83	84	87	88	88	89	89	90·6	6·4
30	89	89	89	91	87	89	93	95	93	89	87	85	84	79	82	87	89	95	91	92	89	91	91	97	89·1	5·9
Mean ...	88·6	88·9	89·3	89·7	90·1	**90·5**	90·1	89·9	88·6	86·1	83·9	80·9	77·9	**76·5**	76·9	79·7	82·4	85·2	86·2	87·0	87·0	87·2	88·4	88·1	85·8	7·0†
Vapour Pressure.* ...	mb. 6·7	mb. 6·7	mb. 6·6	mb. 6·6	mb. 6·5	mb. 6·5	mb. **6·4**	mb. 6·5	mb. 6·7	mb. 6·9	mb. 7·1	mb. 7·1	mb. 7·1	mb. **7·2**	mb. **7·2**	mb. 7·1	m.b 7·1	mb. **7·2**	mb. 7·1	mb. 6·9	mb. 6·8	mb. 6·7	mb. 6·6	mb. 6·5	mb. 6·9‡	

423. Richmond (Kew Observatory) : North Wall Screen : h_t = 3·0 metres.

December, 1923.

	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	mb.
1	97	93	91	87	91	96	91	91	94	79	81	82	81	76	70	75	76	82	79	79	79	81	82	91	84·5	6·4
2	93	91	91	93	91	93	93	95	93	94	97	95	79	75	76	80	86	87	99	97	99	95	89	99	90·7	8·1
3	97	97	99	91	99	99	97	96	96	92	92	91	83	80	76	81	89	96	95	97	97	95	97	92	92·8	6·1
4	92	93	99	99	92	91	90	89	93	92	87	93	89	86	85	87	93	91	89	93	93	93	95	99	91·7	7·1
5	99	99	99	99	99	96	95	100	93	95	89	88	88	91	88	91	85	95	95	93	95	97	99	99	94·5	7·1
6	93	97	95	95	99	95	93	95	93	93	91	89	88	87	87	89	91	100	99	99	99	98	98	99	94·3	6·9
7	99	99	99	99	99	99	99	97	99	96	92	88	85	81	86	86	87	90	91	93	94	94	94	96	93·5	7·1
8	96	95	93	93	91	89	89	89	91	84	79	79	79	80	83	81	90	89	93	91	87	86	79	79	87·3	8·8
9	80	83	84	87	88	93	89	93	91	87	82	79	71	69	71	76	88	91	91	91	91	99	95	96	85·7	5·9
10	99	95	99	93	94	92	93	97	94	90	92	87	86	83	87	87	93	95	94	95	97	97	95	97	92·9	7·1
11	95	99	99	99	99	97	99	97	99	97	97	95	91	91	89	89	93	93	95	96	96	96	97	97	95·6	**10·0**
12	97	99	99	100	99	99	100	95	97	96	91	88	83	87	87	85	89	90	89	90	90	91	90	87	92·6	9·6
13	86	87	90	91	93	90	91	94	95	91	92	89	84	82	88	87	83	85	80	81	80	80	80	83	86·8	8·6
14	82	85	85	87	85	91	97	95	93	99	91	88	89	87	85	84	88	85	88	86	86	85	85	83	87·9	7·0
15	83	86	91	80	79	77	76	81	83	76	73	73	75	73	73	75	79	85	87	87	89	91	95	96	81·5	7·0
16	96	99	95	93	93	92	91	91	92	93	81	79	81	78	76	77	76	81	85	86	87	86	86	87	86·9	7·9
17	90	90	93	93	93	91	85	87	86	84	85	88	84	81	81	87	83	82	84	85	85	87	87	91	86·7	9·3
18	89	91	89	92	88	89	92	92	86	71	66	62	62	65	66	68	71	67	65	67	69	73	77	79	76·7	8·0
19	79	75	77	77	79	78	77	81	81	79	76	73	73	70	74	68	93	87	81	75	71	75	65	65	76·5	5·9
20	71	71	73	75	77	76	79	80	79	77	77	75	66	65	65	63	63	65	61	53	56	56	57	59	**68·4**	**4·4**
21	61	65	67	71	79	79	79	75	65	72	76	91	95	97	97	97	96	96	95	96	97	99	97	97	84·2	5·3
22	96	99	99	97	99	96	96	99	99	95	95	86	81	83	81	78	79	79	80	79	81	85	86	85	89·1	8·1
23	83	85	89	86	86	93	68	70	70	71	70	65	64	66	64	69	71	69	73	75	77	77	84	83	75·4	6·8
24	84	83	87	90	90	83	83	87	92	93	92	94	97	94	91	89	79	74	75	76	77	81	85	83	85·8	6·7
25	89	89	93	94	89	93	87	95	91	91	91	85	77	76	76	79	82	89	96	92	95	94	97	95	88·7	5·8
26	91	87	89	81	77	80	86	86	85	77	79	83	87	83	81	81	84	84	83	83	87	91	96	96	84·8	7·4
27	95	99	99	97	97	99	97	97	97	91	93	91	90	86	85	86	86	85	89	87	93	93	95	96	92·6	7·8
28	93	93	93	95	97	93	91	93	88	85	89	83	78	76	76	76	81	84	87	85	85	87	89	90	87·1	8·2
29	91	93	95	93	93	91	97	94	94	92	89	87	85	85	86	85	90	90	85	85	87	90	91	95	90·0	6·2
30	99	99	99	99	100	99	97	99	99	97	97	97	97	95	95	93	92	92	93	93	92	97	93	91	**96·1**	7·9
31	93	93	95	95	97	91	91	91	93	91	88	89	91	95	93	95	95	97	97	97	100	95	95	97	93·8	7·1
Mean ...	89·9	90·7	**91·8**	91·0	91·3	91·0	89·9	91·0	90·3	87·7	86·1	84·9	82·5	81·4	**81·2**	82·1	84·9	86·3	86·9	86·5	87·5	88·5	88·7	89·7	87·6	7·3†
Vapour Pressure.* ...	mb. **7·0**	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·1	mb. **7·0**	mb. 7·1	mb. 7·1	mb. 7·1	mb. 7·4	mb. **7·6**	mb. **7·6**	mb. 7·5	mb. 7·5	mb. 7·4	mb. 7·3	mb. 7·3	mb. 7·2	mb. 7·1	mb. **7·0**	mb. 7·1	mb. **7·0**	mb. 7·1	mb. 7·2‡	
Hour G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean.	—

* Computed from the mean temperature and mean relative humidity. † Mean of the column. ‡ Mean of the row.

RELATIVE HUMIDITY AND VAPOUR PRESSURE: ANNUAL MEANS OF HOURLY VALUES.

From the monthly means, for exact hours, Greenwich Mean Time.

424. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1923.**

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean
Relative Humidity ...	% 87·3	% 88·3	% 88·9	% 89·3	% **89·6**	% 88·7	% 86·9	% 84·1	% 80·5	% 77·0	% 73·9	% 71·1	% 69·2	% 68·3	% **68·0**	% 69·3	% 70·8	% 72·8	% 75·7	% 79·0	% 81·1	% 83·1	% 85·0	% 86·3	% 79·8
Vapour Pressure in millibars	mb. 9·5	mb. 9·4	mb. 9·4	mb. **9·3**	mb. 9·4	mb. 9·4	mb. 9·5	mb. 9·5	mb. 9·7	mb. 9·8	mb. 9·9	mb. 9·9	mb. 9·9	mb. 10·0	mb. 10·0	mb. 10·0	mb. **10·1**	mb. 10·0	mb. 9·9	mb. 9·7	mb. 9·7	mb. 9·6	mb. 9·6	mb. 9·5	mb. 9·7

RELATIVE HUMIDITY: MONTHLY MEANS AND DIURNAL INEQUALITIES.

The departures from the mean of the day are adjusted for non-cyclic change.

425. Richmond (Kew Observatory) : North Wall Screen : $h_t = 3{\cdot}0$ metres. **1923.**

Month.	Mean.	Hour 1.	G.M.T. 2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Jan.	85·8	+ 2·6	+ 2·7	+ 3·3	+ 3·3	+ 3·5	+ 4·1	+ **4·7**	+ 4·1	+ 3·9	+ 2·5	+ 0·3	− 3·6	− 5·5	− 7·4	− **7·5**	− 5·4	− 4·5	− 2·8	− 1·8	− 1·3	− 0·5	+ 0·9	+ 1·9	+ 2·4
Feb.	87·4	+ 3·4	+ 3·8	+ 3·9	+ 3·7	+ 4·5	+ 4·5	+ 4·4	+ **4·6**	+ 2·4	+ 0·7	− 1·9	− 4·1	− 6·6	− 7·0	− **7·2**	− 7·1	− 5·0	− 3·3	− 1·5	+ 0·5	+ 0·3	+ 1·9	+ 2·7	+ 2·2
Mar.	84·2	+ 5·8	+ 6·5	+ 6·9	+ 6·9	+ 7·6	+ **8·7**	+ 8·4	+ 6·8	+ 3·3	+ 0·2	− 3·2	− 7·6	−11·5	−11·9	−**13·0**	−12·0	− 9·6	− 6·7	− 3·0	+ 0·4	+ 1·8	+ 4·4	+ 5·3	+ 5·5
April	76·0	+ 9·3	+11·4	+10·9	+11·2	+**11·5**	+10·0	+ 7·6	+ 4·2	− 1·1	− 5·6	− 8·3	−10·8	−12·9	−**13·3**	−13·2	−11·8	−10·2	− 7·2	− 3·6	+ 0·7	+ 2·1	+ 3·9	+ 6·7	+ 8·1
May	74·3	+11·9	+12·9	+13·7	+**14·5**	+14·2	+13·0	+ 8·8	+ 4·2	− 1·0	− 4·1	− 8·0	−11·0	−11·8	−13·1	−**14·8**	−12·8	−13·6	−12·9	− 8·5	− 3·3	+ 0·5	+ 3·4	+ 7·7	+10·2
June	73·5	+ 9·7	+11·0	+12·2	+**12·4**	+12·3	+ 9·6	+ 7·2	+ 2·2	− 1·0	− 3·1	− 5·6	− 8·9	−11·1	−11·3	−**13·2**	−11·6	−10·3	− 9·7	− 6·6	− 2·8	+ 0·7	+ 3·9	+ 5·8	+ 8·3
July	**69·6**	+12·8	+15·6	+16·3	+**17·3**	+17·1	+13·8	+ 9·2	+ 2·8	− 3·3	− 7·5	−11·6	−12·9	−14·1	−**15·2**	−14·9	−13·9	−13·1	−12·1	− 9·6	− 3·1	+ 2·3	+ 5·2	+ 8·3	+10·8
Aug.	70·2	+13·1	+13·8	+15·3	+16·7	+**17·6**	+15·0	+10·8	+ 3·9	− 2·0	− 7·3	−11·4	−13·7	−13·2	−**14·8**	−14·6	−14·7	−14·7	−13·5	− 9·6	− 2·6	+ 1·6	+ 4·5	+ 8·3	+11·3
Sept.	79·6	+10·9	+12·2	+13·1	+**13·4**	+13·4	+13·1	+11·5	+ 6·7	+ 0·8	− 5·3	− 9·3	−12·9	−15·5	−17·3	−**17·5**	−16·1	−14·8	−10·3	− 3·7	+ 0·8	+ 3·3	+ 6·1	+ 7·8	+ 9·7
Oct.	83·7	+ 5·5	+ 5·9	+ 6·5	+ **7·6**	+ 7·5	+ 7·1	+ 6·2	+ 5·2	+ 2·0	− 3·4	− 7·5	−10·4	−**11·4**	−10·8	−10·0	− 8·3	− 5·7	− 2·7	0·0	+ 1·8	+ 2·6	+ 2·9	+ 4·1	+ 5·2
Nov.	85·8	+ 2·7	+ 3·0	+ 3·5	+ 3·9	+ 4·3	+ **4·6**	+ 4·3	+ 4·1	+ 2·8	+ 0·3	− 1·9	− 4·9	− 7·9	− **9·3**	− 8·9	− 6·1	− 3·3	− 0·6	+ 0·4	+ 1·2	+ 1·2	+ 1·5	+ 2·6	+ 2·4
Dec.	**87·6**	+ 2·4	+ 3·1	+ **4·2**	+ 3·4	+ 3·8	+ 3·4	+ 2·4	+ 3·4	+ 2·8	+ 0·2	− 1·5	− 2·7	− 5·0	− 6·2	− **6·3**	− 5·5	− 2·7	− 1·3	− 0·7	− 1·1	− 0·1	+ 0·9	+ 1·1	+ 2·2
Year	79·8	+ 7·5	+8·5	+ 9·1	+ 9·5	+ **9·8**	+ 8·9	+ 7·1	+ 4·3	+ 0·8	− 2·7	− 5·8	− 8·6	−10·5	−11·5	−**11·8**	−10·4	− 9·0	− 6·9	− 4·0	− 0·7	+ 1·3	+ 3·3	+ 5·2	+ 6·5

RAINFALL: ANNUAL TOTALS OF HOURLY VALUES.

Amounts, in millimetres; durations, in hours for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

426. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H_r (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **1923.**

G.M.T.	0 to 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	21 to 22.	22 to 23.	23 to 24.	0 to 24.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Amount	23·2	30·6	29·9	30·2	18·5	18·6	24·2	21·1	27·4	21·4	18·4	20·6	32·1	30·0	36·6	24·5	24·7	20·5	30·2	36·9	23·3	23·3	32·4	39·6	638·2
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Duration	22·2	25·7	24·7	23·5	22·1	16·6	16·5	17·1	20·3	18·0	18·2	19·5	18·6	21·6	24·4	20·6	19·0	19·3	22·6	24·4	21·6	22·1	24·0	22·4	505·0

427. Richmond (Kew Observatory). NOTES ON RAINFALL. **1923.**

The driest period of the year occurred in June and the beginning of July. No precipitation at all was recorded from June 27th to July 8th (12 days). There was no day with as much as a millimetre from May 30th to June 11th (13 days) and again from June 20th to July 8th (19 days). From May 30th to July 8th (40 days) the total fall was only 6·4 mm. The drought was broken by the great storm on the night July 9th—10th.

There was another dry period at the beginning of August; no precipitation being recorded from the 2nd to the 14th (13 days).

Wet Periods.

The most persistent wet weather was in February. Rain fell on every day from February 6th to March 1st, with two exceptions, the 15th and the 20th. In October and again in December there were runs of 11 days with precipitation on each.

Rainfall Duration.

There were 52 calendar days on which the duration of rainfall was registered as 0·1 to 1·0 hour, 41 days with 1·1 to 2·0 hours, 71 days with 2·1 to 6·0 hours, 17 days with 6·1 to 12·0 hours, 2 days with more than 12 hours. The days with the greatest duration were March 13th, when the duration was 15·1 hours, the amount 19·7 mm. and December 30th, when 12·1 hours produced 8·5 mm.

Continuous Falls.

On March 13th it rained continuously for 11·8 hours, producing 18 mm. On December 21st it snowed continuously from 11h. 15m. to 22h. 30m. The water equivalent was only 5 mm.

Heavy Falls in Short Periods.

In the great thunderstorm of July 9th to 10th, 5mm. fell in 12 minutes, 10 mm. in 24 minutes, 25 mm. in 1h. 23m. and 52 mm. in 6 hours. The only other instances of falls of 5 mm. in an hour or less were on October 19th (5 mm. in 30 min., 10 mm. in 90 min.) and October 26th (5 mm. in 36 min.).

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

428. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **January, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3	1·0
2	1·3	·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·8	1·9	·3	...	...	...	...	5·7	5·4
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	·4	1·0	1·0	1·3	1·9	·4	·8	...	...	7·0	**6·2**
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	·3	·5	1·4	3·3	1·5	·2	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	**7·6**	5·7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·4	...	...	...	...	...	...	...	...	...	0·5	1·3
9	...	...	...	...	·1	...	...	...	...	·1	·6	·2	·4	...	...	...	...	...	...	...	...	...	...	...	1·4	2·0
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	0·2	0·5
12	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·8
13	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	·1	...	...	...	...	...	0·2	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	·2	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	·1	...	...	...	·6	·7	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	1·5	1·6
19	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	1·8	2·4	1·7
20	·5	·2	2·1	·3	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	3·2	2·3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	·2	·7	·7	·4	...	...	...	...	...	...	...	...	...	2·0	3·1
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	1·8	1·4	2·5	0·6	0·7	1·4	**3·4**	1·5	1·0	1·1	0·8	0·4	1·1	0·9	0·8	0·4	1·5	1·9	3·3	2·2	0·4	0·8	0·5	2·3	32·7	32·1
Total Duration.	hr. 2·1	hr. 1·7	hr. 1·4	hr. 0·7	hr. 1·2	hr. 1·0	hr. 1·0	hr. 1·0	hr. 1·1	hr. 1·7	hr. 1·1	hr. 0·6	hr. 1·4	hr. 1·1	hr. 1·9	hr. 0·7	hr. 1·6	hr. 2·1	hr. 2·0	hr. 1·8	hr. 0·8	hr. 0·9	hr. 0·7	hr. **2·5**	hr. 32·1	

429. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **February, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	·2
2	...	...	·1	...	·1	·2	...	...	·1	·1	...	...	...	·2	·4	...	...	...	...	...	...	...	...	...	1·2	2·0
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·6	·2	·2	...	...	...	1·0	1·8
7	...	...	...	...	...	...	...	...	...	·2	1·9	2·3	·4	...	...	...	·7	·8	...	·4	...	...	...	...	6·7	5·2
8	...	1·9	1·8	1·1	·8	1·7	1·5	·4	·7	·7	·8	·5	1·7	·2	...	...	...	...	...	...	...	...	...	...	**13·8**	**11·9**
9	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3
10	...	...	...	...	...	...	...	·3	·5	·2	·2	·2	...	·4	·3	·1	...	...	...	·2	·2	...	·2	...	2·8	7·2
11	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·7	1·0	·8	·8	3·8	4·6
13	1·2	1·5	1·2	·6	·4	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·1	5·3
14	...	...	·8	·7	·3	·3	·2	·5	·2	·4	1·1	·2	·1	...	...	...	...	...	...	...	...	...	...	...	4·8	9·5
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	·4	0·8	1·1
17	·8	1·2	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	2·5
18	...	...	...	·3	·3	·3	·1	...	1·3	1·1	·2	1·1	1·2	...	...	...	·8	·1	·1	...	...	...	...	...	6·9	6·0
19	...	...	...	...	...	...	...	·2	·2	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	2·3
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	·4	·1	·2	·9	·5	...	·1	...	·3	·4	·4	...	...	·6	...	...	...	...	...	...	3·9	5·8
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	1·3	1·4	·9	...	...	...	...	·9	·2	5·1	4·4
23	·4	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	1·3
24	...	·5	·2	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·3
25	...	...	...	...	...	...	...	·2	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·7
26	...	...	...	...	...	...	...	·5	2·1	3·2	...	...	...	...	...	...	...	...	1·1	...	...	·4	...	...	7·3	2·9
27	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	0·4	0·3
28	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·4	...	...	...	1·2	·6	...	...	...	...	2·5	1·3
Sum.	2·8	5·1	4·6	3·0	2·4	2·8	2·0	3·0	5·7	**6·3**	4·6	4·3	3·8	1·5	2·0	1·4	2·9	2·4	3·0	2·1	1·1	1·4	1·9	1·4	71·5	78·0
Total Duration.	hr. 2·8	hr 3·7	hr. 4·5	hr. 3·7	hr. 5·3	hr. 4·1	hr. 3·0	hr. 4·2	hr. **6·0**	hr. 5·5	hr. 5·3	hr. 4·3	hr. 3·0	hr. 2·3	hr. 3·1	hr. 0·9	hr. 1·7	hr. 2·0	hr. 1·6	hr. 3·0	hr. 2·2	hr. 1·5	hr. 1·7	hr. 2·6	hr. 78·0	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

430. Richmond (Kew Observatory): H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **March, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·3	·7	1·8	·1	3·1	3·3
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	1·2	·2	·2	...	...	...	...	...	1·7	1·7
7	...	...	...	...	...	·7	...	...	...	...	·3	...	...	2·4	1·7	·7	·2	·1	·3	·1	...	·1	...	...	6·6	3·3
8	...	...	...	...	...	1·0	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·4	1·4
9	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·9
10	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·6	·7	·8	·6	2·9	4·3
13	·1	·4	(1·0)	(2·6)	(2·6)	(2·6)	(2·7)	(2·0)	(2·0)	(·8)	·6	·4	·3	·2	·4	·6	·3	·1	...	...	...	...	...	...	**19·7**	**15·1**
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	·4	·2	...	·6	...	...	...	...	...	...	...	...	·1	·1	·1	...	·1	...	...	1·6	2·9
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	·1	0·3	0·3
21	...	...	...	...	·3	·2	1·9	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	1·5
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	·4	·3	·5	·5	·2	·6	·1	...	...	...	...	...	...	...	...	...	2·6	5·5
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	·2	·3	1·1	1·1	·3	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	4·3
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·6	·2	3·0	2·0
28	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4
29	...	...	...	...	·3	·1	...	...	...	...	·2	...	...	...	...	...	1·8	·6	·2	·3	...	...	...	...	3·5	2·4
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·4	0·8	2·1	3·8	3·5	**5·4**	4·9	2·1	3·1	1·2	1·8	0·9	0·5	3·2	2·2	1·3	3·5	1·1	1·0	0·9	0·9	2·8	4·2	1·1	52·7	49·5
Total Duration.	hr. 0·8	hr. 1·4	hr. 2·0	hr. 2·4	hr. 2·1	hr. **3·7**	hr. 2·4	hr. 1·1	hr. 2·2	hr. 1·8	hr. 3·1	hr. 2·0	hr. 1·6	hr. 2·0	hr. 1·9	hr. 1·4	hr. 3·1	hr. 1·6	hr. 1·1	hr. 1·6	hr. 2·2	hr. 3·5	hr. 2·5	hr. 2·0	hr. 49·5	

431. Richmond (Kew Observatory): H_r = 5·5 metres + 0·53 metres. **April, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·1	...	·1	...	0·4	1·3
6	·1	·2	...	·2	·1	·1	·1	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	3·1
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	1·1	·4	·4	·1	3·6	3·3
11	·4	1·6	·6	·2	...	...	·2	...	...	...	...	...	...	...	2·0	·4	·2	...	...	...	...	...	·5	...	6·1	5·5
12	·2	·9	·6	1·4	...	...	...	...	...	...	...	...	...	...	·1	1·8	·1	...	·2	2·0	·2	...	...	...	7·5	5·6
13	...	·4	...	...	2·3	·1	...	...	...	...	...	...	...	...	...	...	...	·2	·4	·1	...	...	...	...	3·5	3·1
14	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	...	...	...	...	...	...	...	...	...	...	1·9	0·4
15	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·1	...	...	...	...	...	0·8	1·1
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·9
25	...	...	...	...	...	...	·6	·7	·1	...	...	...	·4	·4	·1	...	...	1·1	·4	·2	·1	...	·5	·4	5·0	7·4
26	·4	·7	1·0	·9	·7	·6	·6	·1	...	...	...	...	1·8	·3	·2	...	...	·1	·2	...	...	...	...	...	**7·6**	**8·9**
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	0·1	0·1
29	...	...	...	...	·1	·4	·5	·6	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	4·3
30	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2
Sum.	1·4	3·8	2·2	2·8	3·3	1·2	2·0	1·5	0·5	0·1	...	...	2·2	2·6	2·4	2·3	0·3	2·0	1·3	**4·0**	1·5	0·4	1·5	0·5	39·8	45·3
Total Duration.	hr. 2·7	hr. **3·5**	hr. 2·3	hr. 3·0	hr. 3·2	hr. 2·5	hr. **3·5**	hr. 2·7	hr. 1·2	hr. 0·1	hr. ...	hr. ...	hr. 0·9	hr. 1·7	hr. 1·4	hr. 1·8	hr. 0·8	hr. 1·9	hr. 2·8	hr. 2·9	hr. 1·9	hr. 1·1	hr. 2·0	hr. 1·4	hr. 45·3	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

432. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **May, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	0·3
3	...	...	...	2·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·6	1·1
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·1	0·4	1·1
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	...	...	...	...	...	...	0·7	0·6
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	0·7	0·7
11	·9	·1	·2	·3	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	1·0	...	...	...	...	...	2·7	2·4
12	...	...	...	...	...	...	...	...	...	...	...	1·0	·8	·1	·1	1·5	·1	...	...	...	...	...	...	...	3·6	2·5
13	...	...	·1	·9	1·2	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	2·7	2·8
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	·2	...	·1	...	1·2	1·6	·6	·3	...	...	·3	·9	·2	·3	·1	...	5·8	3·9
16	...	...	...	...	...	...	...	...	·4	...	...	·1	...	·5	·2	...	·1	...	...	...	...	...	...	...	1·3	1·2
17	...	...	...	...	...	...	·1	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	·1	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	·2	...	1·6	1·7
23	...	...	...	...	...	...	...	...	...	...	·9	·1	3·7	·4	4·5	1·6	·2	·1	·2	·6	·2	...	...	...	**12·5**	7·0
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·8
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	(·1)	(·7)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	1·0
28	...	·3	·1	...	...	...	...	...	...	1·6	·4	...	...	...	...	...	...	...	1·1	3·3	1·3	·1	·3	·3	8·8	7·1
29	1·2	1·4	1·2	·3	·1	...	...	...	...	·7	·2	·3	·4	·2	·1	·2	·1	...	·3	...	...	·6	·1	...	7·4	**9·9**
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	2·1	1·8	1·6	3·8	1·7	1·0	0·3	0·8	0·6	2·4	1·8	1·5	**6·1**	2·8	5·7	3·6	0·5	0·8	2·9	4·8	1·7	1·5	1·4	1·1	52·3	44·7
Total Duration.	hr. 2·0	hr. 2·1	hr. 1·4	hr. 2·5	hr. 1·8	hr. 1·4	hr. 1·2	hr. 0·7	hr. 0·6	hr. 1·7	hr. 1·9	hr. 1·1	hr. 2·4	hr. 3·0	hr. 2·5	hr. 3·1	hr. 1·7	hr. 0·8	hr. 1·9	hr. 2·6	hr. 1·8	hr. 1·2	hr. **3·3**	hr. 2·0	hr. 44·7	

433. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **June, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	0·1
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	·3	...	1·2	1·5
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	1·0	1·0	·3	...	...	...	...	...	...	...	**2·5**	**2·5**
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·5
19	...	...	...	...	·1	...	1·0	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·2
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	0·1	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	·1	...	...	...	0·4	1·7
26	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	...	...	...	...	...	...	...	...	...	...	0·3	0·7
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·1	0·1	...	...	0·1	....	1·0	...	0·1	...	0·3	0·1	...	0·5	1·1	**1·3**	0·3	...	0·1	...	...	1·0	0·3	...	6·4	8·7
Total Duration.	hr. 0·3	hr. 0·2	hr. ...	hr. ...	hr. 0·3	hr. ...	hr. 0·9	hr. ...	hr. ...	hr. ...	hr. 0·2	hr. 0·3	hr. ...	hr. 0·9	hr. 1·4	hr. **1·9**	hr. 0·3	hr. ...	hr. ...	hr. ...	hr. 0·2	hr. 1·3	hr. 0·5	hr. ...	hr. 8·7	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes between the exact hours, Greenwich Mean Time.

434. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **July, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·2	23·5	28·7	1·5	
10	4·1	6·5	6·1	6·5	·2	...	...	1·6	1·7	...	...	...	...	...	...	...	...	...	2·1	·1	·8	...	...	...	**29·7**	**6·2**
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	0·1	0·2
16	...	...	...	...	...	...	...	...	·3	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·5
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	...	...	·4	...	...	...	·8	...	2·0	0·8
18	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5
19	...	...	...	...	...	...	...	...	...	...	...	·1	...	·4	·3	...	...	...	...	·2	...	...	...	...	1·0	1·3
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	·1	...	...	...	·1	·3	...	...	...	1·6	2·1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	1·1	·7	·5	1·2	·1	...	...	...	...	...	...	...	3·6	2·9
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	·3	...	...	...	...	...	...	·1	1·0	·3	...	1·3	...	...	...	...	...	...	...	...	...	3·0	1·6
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	1·0	·2	...	...	...	...	...	...	...	...	...	...	...	...	·6	...	...	...	...	...	1·4	1·9	1·3	6·4	3·8
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	1·1	1·3	2·0	·2	...	...	...	...	5·7	4·1
Sum.	4·4	7·5	6·3	6·8	0·2	...	...	1·6	2·0	0·5	0·1	1·1	1·4	1·1	3·4	3·6	1·2	1·3	4·5	0·6	1·1	1·5	7·9	**24·8**	82·9	25·5
Total Duration.	hr. 1·5	hr. 1·7	hr. 1·6	hr. 1·2	hr. 0·5	hr. ...	hr. ...	hr. 0·2	hr. 0·5	hr. 0·3	hr. 0·1	hr. 1·2	hr. 0·8	hr. 1·4	hr. 1·6	hr. **2·6**	hr. 1·0	hr. 1·0	hr. 1·5	hr. 0·8	hr. 1·8	hr. 1·2	hr. 1·4	hr. 1·6	hr. 25·5	

435. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **August, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	·3	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·8
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	·2	...	2·0	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	1·9
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	·2	·3	·1	...	...	...	1·7	...	...	...	...	...	...	·3	2·6	1·4
18	·1	...	...	...	...	...	...	...	...	...	...	...	3·4	·6	1·7	1·0	...	...	...	...	...	...	...	...	6·8	1·5
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	·7	·9	1·7	2·1	·4	·2	·2	·1	6·9	6·7
24	...	...	...	...	...	...	...	...	4·5	1·1	...	...	...	1·1	·3	...	...	...	...	...	...	...	...	...	7·0	2·3
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	0·1	0·3
26	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	·02
27	...	...	...	...	...	...	...	...	...	...	...	...	·5	·8	...	·5	2·0	...	·1	·2	...	...	...	...	4·1	1·3
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	·5	1·2	·4	·9	·5	·9	1·1	·1	·8	·8	2·3	...	...	...	...	...	...	**9·5**	**7·0**
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·4	0·3	...	...	...	0·3	...	2·5	**5·8**	1·5	1·1	0·8	4·9	3·6	2·3	2·7	5·2	3·2	1·8	2·3	0·4	0·2	0·3	0·4	40·0	23·4
Total Duration.	hr. 0·4	hr. 0·5	hr. ...	hr. ...	hr. ...	hr. 0·6	hr. ...	hr. 1·9	hr. **2·6**	hr. 1·1	hr. 0·9	hr. 1·0	hr. 1·3	hr. 1·8	hr. 1·3	hr. 1·6	hr. 2·4	hr. 1·4	hr. 0·8	hr. 1·1	hr. 0·6	hr. 0·6	hr. 1·1	hr. 0·4	hr. 23·4	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

436. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **September, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration 0–24.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	·3	1·3	...	...	...	...	...	...	...	...	...	...	...	...	1·6	0·3
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	1·7	1·0	·1	1·3	...	·1	·3	...	...	...	...	...	...	...	...	...	4·5	3·5
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	4·8	·1	...	·4	·1	5·5	2·0
15	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·4	·5	·1	·1	...	...	...	...	...	...	1·3	2·2
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	1·4	·6	...	...	...	...	...	·5	·2	...	...	...	...	...	...	...	...	...	...	...	...	2·7	2·2
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	·1	·2	·3	·3	·1	...	...	·3	2·0	3·4
20	·1	...	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	0·9	0·7
21	3·0	·6	1·5	·5	·3	...	...	...	...	...	...	...	...	...	·8	...	·7	...	·1	·6	·1	·2	·2	...	3·1	3·3
22	...	...	·2	...	...	...	...	...	...	·1	·1	...	...	...	...	...	...	...	·1	·6	·1	·2	·2	...	3·1	3·3
23	...	...	...	...	...	...	...	...	·4	·7	...	...	...	...	·4	...	·7	·3	...	...	...	...	...	...	2·5	1·1
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	1·2	1·0	...	2·5	2·1
25	·5	·5	·4	·4	...	...	...	...	...	...	...	...	·7	...	...	...	...	...	...	...	...	...	...	...	2·5	3·3
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	3·6	1·1	2·5	2·3	0·9	...	...	...	2·1	1·8	1·0	2·8	0·7	1·1	1·1	1·9	0·9	0·7	1·0	**5·2**	0·7	1·4	1·4	0·8	35·0	27·9
Total Duration.	hr. 1·8	hr. 2·0	hr. **2·4**	hr. 1·6	hr. 1·3	hr. ...	hr. ...	hr. ...	hr. 0·7	hr. 1·4	hr. 0·9	hr. 1·7	hr. 0·2	hr. 0·9	hr. 1·5	hr. 1·7	hr. 0·7	hr. 1·1	hr. 1·2	hr. 2·1	hr. 1·0	hr. 1·4	hr. 1·3	hr. 1·0	hr. 27·9	

437. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **October, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	·1	...	...	...	·1	·3	...	·2	...	...	...	...	...	...	...	...	0·7	1·4
2	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	1·1	·2	...	...	...	2·7	2·2
3	...	...	...	...	...	...	...	...	...	...	·1	1·2	3·1	(3·7)	(3·7)	(3·7)	(3·7)	(3·7)	·4	·2	...	...	...	...	**23·5**	8·3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	·2	...	·1	·5	·6	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	2·7
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	2·9	2·1	1·3	9·2	3·9
8	·2	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	2·0	2·5	·9	6·2	4·8
9	1·3	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	1·4
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	·2	...	·2	...	...	...	·5	1·0	2·3
11	·8	1·6	·5	·4	·2	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	3·6	4·1
12	...	...	...	...	1·4	1·5	1·9	2·8	2·7	2·6	2·3	·9	·9	·3	3·6	·6	...	...	·1	...	...	...	...	...	21·6	**11·3**
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	·1	...	...	...	2·0	...	·4	...	...	...	...	...	...	...	...	...	2·5	0·6
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2
18	...	...	...	...	...	...	...	...	...	·5	·9	·3	...	...	...	...	...	...	...	...	...	...	·1	...	1·8	1·6
19	...	...	...	...	...	...	...	...	...	...	...	...	...	·7	3·8	·6	...	·4	1·7	5·3	5·5	·2	·2	...	18·4	6·2
20	...	·8	·7	1·1	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·2	3·7
21	...	...	...	...	...	...	·4	·3	·1	...	...	...	·2	1·2	1·6	·1	·6	·2	...	...	...	...	...	...	4·7	3·7
22	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	·4	...	...	...	...	...	...	...	...	...	2·5	0·8
23	...	...	...	...	...	...	...	...	...	...	1·4	2·4	1·5	...	1·0	...	...	...	...	...	...	...	...	...	6·3	3·1
24	...	·1	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	...	...	...	...	...	2·4	0·7
26	...	...	...	...	...	...	7·2	(1·5)	(1·7)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·4	2·7
27	...	...	...	·7	1·0	·7	·3	1·8	·6	...	...	1·0	...	...	...	...	...	...	...	...	·1	...	...	...	6·2	5·4
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·2	·4	0·7	1·5
31	1·3	·8	1·0	·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	2·9
Sum.	3·8	4·6	2·7	3·0	3·8	2·3	9·9	6·4	5·3	3·1	4·7	5·8	7·8	8·3	**14·6**	5·2	4·4	4·5	5·8	6·8	9·2	5·2	5·1	3·1	135·4	75·9
Total Duration.	hr. 4·0	hr. 3·5	hr. 3·4	hr. 3·7	hr. 3·9	hr. 2·1	hr. 3·3	hr. 2·9	hr. 2·8	hr. 1·5	hr. 2·7	hr. 3·4	hr. 3·6	hr. 4·1	hr. **5·2**	hr. 2·7	hr. 1·4	hr. 2·9	hr. 3·0	hr. 3·5	hr. 3·4	hr. **2·3**	hr. 2·7	hr. 3·9	hr. 75·9	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

Amounts, in millimetres, for periods of sixty minutes, between the exact hours, Greenwich Mean Time.

438. Richmond (Kew Observatory) : H_r (height of receiving surface above M.S.L.) = H (height of station above M.S.L.) + h_r (height of receiving surface above ground) = 5·5 metres + 0·53 metres. **November, 1923.**

Day.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	Duration. 0–24
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	·6	1·5	·5	·1	...	...	...	...	...	...	...	...	...	...	...	2·7	2·7
2	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	2·7	2·4	...	...	...	...	5·3	2·0
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·5	2·0	3·4	1·6	**7·5**	3·5
9	·5	·7	·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·4	·1	...	...	...	...	2·3	3·2
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·3	·2	·1	·6	1·0	·9	·3	3·4	4·8
14	·2	·6	1·7	1·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·3	3·0
15	...	...	...	...	...	...	...	...	...	...	...	·7	·5	3·1	...	...	...	...	...	·1	...	...	...	...	4·4	2·0
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	3·6	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·0	0·9
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	0·1	0·3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	·1	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·1
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·9	·6	·3	·3	·3	·1	...	...	2·5	**5·4**
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sum.	0·7	1·3	2·4	2·2	...	3·6	0·4	0·1	...	0·8	1·5	1·2	0·6	3·1	...	...	0·9	1·2	3·6	3·0	1·4	3·1	**4·3**	1·9	37·3	28·9
Total Duration.	hr. 0·9	hr. 1·9	hr. 1·7	hr. 2·0	hr. ...	hr. 0·6	hr. 0·3	hr. ...	hr. ...	hr. 0·6	hr. 1·0	hr. 1·7	hr. 1·1	hr. 0·3	hr. ...	hr. ...	hr. 0·9	hr. 1·9	hr. **3·0**	hr. 2·3	hr. 2·5	hr. 2·5	hr. 2·0	hr. 1·7	hr. 28·9	

439. Richmond (Kew Observatory) : H_r = 5·5 metres + 0·53 metres. **December, 1923.**

	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	hr.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	...	...	...	...	...	...	0·2	0·1
2	...	...	·1	·3	...	...	·1	·9	·2	·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	3·5
3	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
4	...	...	...	...	...	...	·1	·1	·4	1·0	...	...	...	...	·2	...	·1	...	...	...	...	...	...	...	1·9	2·2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	0·1	0·1
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	·1	...	...	·1	1·1	·8	·2	·6	·2	3·2	3·2
8	·1	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	1·3
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	...	...	...	0·1	0·4
11	...	...	·1	...	...	...	·1	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·7
12	·1	...	·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·6
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	...	...	...	...	...	...	...	2·4	0·7
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	·3	·4	·4	·5	·5	·4	·4	·5	·5	·5	·4	·2	...	5·0	11·2
22	...	...	...	...	...	...	...	·4	·4	...	...	...	...	...	...	...	...	...	...	...	...	...	·8	·1	1·7	2·3
23	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1
24	...	...	...	...	...	...	...	...	·2	·7	·6	·3	·1	...	...	...	...	...	...	...	...	...	...	...	1·9	3·8
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·9	3·3	3·1	1·9	·7	·1	**10·2**	5·1
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	1·0	1·0	1·0	3·1	3·1
27	1·0	1·0	1·0	1·0	1·0	·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·2	·2	...	·1	6·0	6·8
28	·2	·7	·1	...	·4	·1	...	...	...	...	...	...	...	...	...	...	...	·1	·2	...	·1	...	...	...	1·9	2·8
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·1	·5	0·6	1·1
30	·2	·3	1·3	·6	·5	...	...	·1	...	...	...	1·1	2·5	·8	·2	·2	·1	...	·1	...	...	·3	·2	...	8·5	**12·1**
31	...	·4	·2	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	·5	·1	·1	...	...	...	·2	1·7	3·9
Sum.	1·7	2·8	3·0	1·9	1·9	0·6	0·3	1·6	1·2	2·6	0·7	1·7	3·0	1·3	1·0	0·8	3·1	1·4	1·9	**5·0**	4·9	4·0	3·6	2·2	52·2	65·1
Total. Duration.	hr. 2·9	hr. 3·5	hr. 4·0	hr. 2·7	hr. 2·5	hr. 0·6	hr. 0·9	hr. 2·4	hr. 2·6	hr. 2·3	hr. 1·0	hr. 2·2	hr. 2·3	hr. 2·1	hr. 2·6	hr. 2·2	hr. 3·4	hr. 2·6	hr. 3·7	hr. 2·7	hr. 3·2	hr. 4·6	hr. **4·8**	hr. 3·3	hr. 65·1	
G.M.T.	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	0–24	—

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

440. Richmond (Kew Observatory) : h_S (Height of recorder above ground) = 13·3 metres. **January, 1923.**

Days.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	—	...	...	·9	1·0	·8	·4	...	...	—	—	—	—	—	3·1	39	Mist	31·8	8
2	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
3	—	—	—	—	—	...	·7	1·0	·9	·3	·5	·1	...	—	—	—	—	—	3·5	44	...	...	...
4	—	—	—	—	—	...	·2	·4	·7	1·0	·2	·4	...	—	—	—	—	—	2·9	37	Clear	33·2	9
5	—	—	—	—	—	...	...	...	...	...	·1	...	...	—	—	—	—	—	·1	1	...	...	...
6	—	—	—	—	—	·1	·7	1·0	1·0	1·0	1·0	1·0	·1	—	—	—	—	—	5·9	74	Clear	55·9	15
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
9	—	—	—	—	—	...	...	...	·1	...	·5	1·0	...	—	—	—	—	—	1·6	20	...	...	...
10	—	—	—	—	—	...	...	...	·7	·1	...	·2	...	—	—	—	—	—	1·0	12	Clear	52·9	15
11	—	—	—	—	—	...	·8	1·0	1·0	1·0	·4	·9	...	—	—	—	—	—	5·1	63	Clear	55·4	16
12	—	—	—	—	...	...	·5	1·0	1·0	1·0	1·0	1·0	...	...	—	—	—	—	5·5	67	...	...	...
13	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
14	—	—	—	—	...	...	...	...	·2	·1	...	·2	·1	...	—	—	—	—	0·6	7	...	...	...
15	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
16	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
17	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
18	—	—	—	—	...	...	...	...	·4	·8	·5	·2	...	...	—	—	—	—	1·9	23	Mist	22·0	7
19	—	—	—	—	...	...	...	...	...	...	·1	...	...	...	—	—	—	—	0·1	1	...	...	...
20	—	—	—	—	...	...	...	·1	...	·4	·7	·8	...	...	—	—	—	—	2·0	24	...	...	...
21	—	—	—	—	...	...	·6	·2	...	...	...	...	...	...	—	—	—	—	0·8	9	...	...	...
22	—	—	—	—	...	...	...	1·0	1·0	·7	1·0	1·0	...	...	—	—	—	—	4·7	55	...	...	...
23	—	—	—	—	...	·2	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	—	—	—	—	**6·7**	**78**	Clear	53·7	17
24	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
25	—	—	—	—	...	·2	·5	·3	...	...	...	...	...	...	—	—	—	—	1·0	11	...	...	...
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
27	—	—	—	—	...	...	...	...	...	...	·1	...	...	...	—	—	—	—	0·1	1	...	...	...
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
30	—	—	—	—	...	...	...	·4	·4	...	...	...	...	...	—	—	—	—	0·8	9	...	...	...
31	—	—	—	—	...	...	...	...	...	·2	·7	...	...	...	—	—	—	—	0·9	10	...	...	...
Sum.	—	—	—	—	0·0	0·5	5·0	8·3	**9·4**	8·4	8·2	7·8	0·7	0·0	—	—	—	—	48·3	—	—	—	—
Mean	—	—	—	—	0·00	0·02	0·16	0·27	**0·30**	0·27	0·26	0·25	0·02	0·00	—	—	—	—	1·56	19	—	—	—

441. Richmond (Kew Observatory) : h_S = 13·3 metres. **February, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
2	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
3	—	—	—	—	...	...	·3	·8	·8	·9	·1	...	...	...	—	—	—	—	2·9	32	Clear	51·4	19
4	—	—	—	—	...	·5	1·0	1·0	1·0	·9	·8	·7	·4	...	—	—	—	—	**6·3**	**68**	...	...	...
5	—	—	—	—	...	...	·6	1·0	1·0	·6	·9	·8	·1	...	—	—	—	—	5·0	54	Clear	57·0	22
6	—	—	—	—	...	·8	·7	·1	·3	·6	·3	·1	...	...	—	—	—	—	2·9	31	...	...	...
7	—	—	—	—	...	...	...	...	...	...	...	·1	...	...	—	—	—	—	0·1	1	...	...	...
8	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
9	—	—	—	—	...	...	...	·4	·9	1·0	·9	1·0	·7	...	—	—	—	—	4·9	52	Mist	42·8	17
10	—	—	—	—	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
11	—	—	—	—	...	·9	1·0	·8	·2	·4	·9	·6	·7	·2	—	—	—	—	5·7	59	...	...	...
12	—	—	—	—	...	...	...	·7	·3	...	...	...	...	...	—	—	—	—	1·0	10	...	...	...
13	—	—	—	—	...	...	·2	...	...	...	...	...	...	...	—	—	—	—	0·2	2	...	...	...
14	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
15	—	—	—	—	...	...	...	...	...	·4	·1	...	...	...	—	—	—	—	0·5	5	...	...	...
16	—	—	—	—	...	·3	1·0	1·0	...	...	...	...	...	...	—	—	—	—	2·3	23	...	...	...
17	—	—	—	—	·2	1·0	·9	·8	·9	·4	·8	·4	·1	...	—	—	—	—	5·5	55	Clear	70·3	31
18	—	—	—	—	...	...	...	...	...	...	...	...	·4	...	—	—	—	—	0·4	4	...	...	...
19	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
20	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
21	—	—	—	...	...	...	...	·3	·3	...	...	·3	·4	...	...	—	—	—	1·3	13	...	...	...
22	—	—	—	...	·1	·2	1·0	·8	·4	...	...	...	...	...	...	—	—	—	2·5	24	...	...	...
23	—	—	—	...	...	...	...	...	...	·1	·8	1·0	·9	...	...	—	—	—	2·8	27	...	...	...
24	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
25	—	—	—	...	...	...	...	...	...	...	...	...	·2	·1	...	—	—	—	0·3	3	...	...	...
26	—	—	—	...	...	...	...	·3	·8	·7	·2	...	...	...	...	—	—	—	2·0	19	Clear	68·1	34
27	—	—	—	...	...	·1	...	...	...	·1	...	...	...	...	...	—	—	—	0·2	2	...	...	...
28	—	—	—	...	·7	·9	·7	·2	...	·4	·1	·9	·2	...	...	—	—	—	4·1	38	...	...	...
Sum.	—	—	—	0·0	1·0	4·7	7·4	**8·2**	6·9	6·5	5·9	5·9	4·1	0·3	0·0	—	—	—	50·9	—	—	—	—
Mean	—	—	—	0·00	0·04	0·17	0·26	**0·29**	0·25	0·23	0·21	0·21	0·15	0·01	0·00	—	—	—	1·82	18	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

442. Richmond (Kew Observatory) : h_S (Height of recorder above ground) = 13·3 metres. **March, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm².	mw/cm².
1	—	—	—	...	...	...	...	...	...	·4	·6	·5	·5	...	...	—	—	—	2·0	19	...	...	...
2	—	—	—	...	·8	1·0	1·0	1·0	·9	·9	·4	·3	·4	...	...	—	—	—	6·7	61	...	...	...
3	—	—	—	...	...	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	—	—	—	6·6	61	Haze	71·6	37
4	—	—	—	...	...	...	...	·9	·5	·9	·9	1·0	·8	...	...	—	—	—	5·0	45	...	...	...
5	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
6	—	—	—	...	...	...	...	·2	...	...	...	...	...	...	...	—	—	—	·2	2	...	...	...
7	—	—	—	...	...	·1	·1	...	·1	·5	...	...	...	...	...	—	—	—	·8	7	...	...	...
8	—	—	—	...	...	...	...	...	...	·2	·6	·6	...	...	...	—	—	—	1·4	12	...	...	...
9	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
10	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
11	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
12	—	—	—	...	·1	·9	·9	1·0	·7	·4	...	...	...	...	...	—	—	—	4·0	35	...	...	...
13	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
14	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
15	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
16	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
17	—	—	—	...	...	...	...	...	...	·1	1·0	1·0	1·0	·3	...	—	—	—	3·4	29	...	...	...
18	—	—	—	...	...	...	...	·4	·9	1·0	·6	·7	·7	...	...	—	—	—	4·3	36	...	...	...
19	—	—	—	...	...	·2	·4	·8	·5	·6	·6	·1	...	...	...	—	—	—	3·2	27	...	...	...
20	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
21	—	—	—	...	...	...	...	·3	·9	1·0	·4	·4	...	...	...	—	—	—	3·0	25	...	...	...
22	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
23	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
24	—	—	...	...	...	·9	·9	1·0	·9	1·0	1·0	1·0	1·0	·8	...	...	—	—	**8·5**	**69**	Haze	54·3	35
25	—	—	...	...	·3	·4	·1	...	·1	...	...	·4	·5	·6	·2	...	—	—	2·6	21	...	...	...
26	—	—	...	...	...	...	...	·2	·4	...	...	...	·3	·1	·2	...	—	—	1·2	10	...	...	...
27	—	—	...	·2	·9	·4	·6	·8	1·0	·8	...	·1	1·0	·8	...	...	—	—	6·6	53	Clear	98·9	65
28	—	—	...	...	·4	·9	·9	1·0	·9	·8	·8	1·0	·2	...	...	...	—	—	6·9	55	...	...	...
29	—	—	...	...	...	...	·3	·6	·1	·6	·2	·3	...	...	...	...	—	—	2·1	17	...	...	...
30	—	—	...	...	·7	1·0	·8	...	...	...	...	...	...	...	...	...	—	—	2·5	20	...	...	...
31	—	—	...	...	...	·1	...	·1	·2	·2	...	...	...	·9	·2	...	—	—	1·7	13	...	...	...
Sum.	—	—	0·0	0·2	3·2	5·9	6·3	9·3	9·1	**10·4**	8·1	8·4	7·4	3·8	0·6	0·0	—	—	72·7	—	—	—	—
Mean	—	—	0·00	0·01	0·10	0·19	0·20	0·30	0·29	**0·34**	0·26	0·27	0·24	0·12	0·02	0·00	—	—	2·35	20	—	—	—

443. Richmond (Kew Observatory) : h_S = 13·3 metres. **April, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm².	mw/cm².
1	—	—	...	...	...	...	...	·3	·9	·7	·4	...	...	...	...	...	—	—	2·3	18	...	...	...
2	—	—	...	...	...	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	...	—	—	6·4	50	...	...	...
3	—	—	...	...	...	...	...	·4	...	·3	·3	·5	·2	·4	...	...	—	—	2·1	16	...	...	...
4	—	—	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	...	—	—	9·5	73	Clear	84·2	58
5	—	—	...	...	...	·1	·2	...	...	...	...	...	...	...	...	...	—	—	0·3	2	...	...	...
6	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
7	—	—	...	...	...	...	...	·1	·2	·2	·1	·3	·4	...	...	...	—	—	1·3	10	...	...	...
8	—	—	...	·2	1·0	·9	·9	1·0	1·0	·8	·9	·9	·9	1·0	·4	...	—	—	9·9	74	...	...	...
9	—	—	...	·8	1·0	·5	·3	·1	...	...	...	...	...	...	...	...	—	—	2·7	20	...	...	...
10	—	—	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	—	—	0·3	2	A. st.	57·8	42
11	—	—	...	...	...	...	...	...	·3	·1	...	...	...	...	...	...	—	—	0·4	3	...	...	...
12	—	—	...	·3	·1	...	...	...	·7	·1	...	...	...	...	...	...	—	—	1·2	9	...	...	...
13	—	—	·2	·1	·8	1·0	·9	·7	·7	·3	·7	·2	...	...	...	...	—	—	5·6	41	...	...	...
14	—	—	·4	1·0	1·0	1·0	·3	·8	·7	·9	·4	·7	·7	·1	·4	·1	—	—	8·5	62	...	...	...
15	—	—	·4	1·0	1·0	·5	·8	·9	·8	·9	...	...	...	·4	...	...	—	—	6·7	49	...	...	...
16	—	—	...	...	...	...	...	·1	...	...	...	...	·1	...	...	...	—	—	0·2	1	...	...	...
17	—	—	...	...	·1	·1	·6	1·0	·9	·9	·8	·9	1·0	·4	...	...	—	—	6·7	48	...	...	...
18	—	—	...	...	...	...	...	...	...	·8	·5	·6	·9	·1	...	...	—	—	2·9	21	...	...	...
19	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
20	—	—	...	...	...	·6	·3	...	·3	·5	·2	·1	·4	...	...	...	—	—	2·4	17	Haze	63·1	48
21	—	...	...	...	·1	·7	1·0	1·0	1·0	·4	·6	·9	·7	·6	...	...	...	—	7·0	50	...	...	...
22	—	...	...	...	...	...	...	...	...	·1	·1	...	...	·5	·4	...	...	—	1·1	8	...	...	...
23	—	...	...	·3	·6	·9	·6	·6	·2	·7	·1	...	...	...	...	...	...	—	4·0	28	Clear	74·9	58
24	—	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	—	**12·1**	**85**	...	...	...
25	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
26	—	...	...	...	...	...	...	·6	·8	·7	·7	·1	·8	·7	·3	...	...	—	4·7	32	...	...	...
27	—	...	·7	1·0	1·0	1·0	1·0	·9	·6	·6	·6	·9	·8	·6	...	...	...	—	9·7	67	...	...	...
28	—	...	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	·9	·6	·5	·7	·5	·4	...	—	9·9	68	...	...	...
29	—	...	...	...	...	...	...	...	...	·4	·2	...	...	...	...	...	...	—	0·6	4	...	...	...
30	—	...	...	...	...	...	...	...	...	...	·2	...	...	·1	...	...	...	—	0·3	2	...	...	...
Sum.	—	0·0	1·7	5·9	9·7	10·3	10·0	12·5	13·3	**13·5**	10·7	9·7	10·4	7·4	3·0	0·7	0·0	—	118·8	—	—	—	—
Mean	—	0·00	0·06	0·20	0·32	0·34	0·33	0·42	0·44	**0·45**	0·36	0·32	0·35	0·25	0·10	0·02	0·00	—	3·96	29	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

444. Richmond (Kew Observatory) : h_S (Height of recorder above ground) = 13·3 metres. **May, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	...	...	...	·2	·2	·6	·3	...	...	...	...	·7	·6	·9	·4	...	—	3·9	26	...	...	...
2	—	...	...	·4	1·0	1·0	·8	·1	·6	·9	·9	1·0	1·0	·8	·3	·2	...	—	9·0	61	...	...	...
3	—	...	...	...	·2	·8	·3	·2	·6	·7	1·0	1·0	·8	·8	1·0	·9	...	—	8·3	56	Clear	72·4	59
4	—	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	·7	·9	·9	·7	...	—	**12·2**	**82**	Clear	76·0	62
5	—	...	...	1·0	·8	...	...	·4	·5	·5	·3	·2	·1	·8	·9	·2	...	—	5·7	38	...	...	...
6	—	...	·1	...	...	·3	1·0	1·0	1·0	1·0	1·0	·8	·9	·2	...	...	...	—	7·3	48	...	...	...
7	—	...	...	...	·8	1·0	1·0	·9	·8	·5	·9	·3	...	...	...	...	...	—	6·2	41	...	...	...
8	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
9	—	...	...	1·0	·8	...	·1	·7	·2	·3	·1	...	·9	·3	·4	·8	...	—	5·6	37	...	...	...
10	—	...	...	·6	...	...	...	...	·5	·3	·7	·6	·5	1·0	1·0	·5	...	—	5·7	37	...	...	...
11	—	...	·6	·9	1·0	1·0	·5	·4	·8	·8	·8	·5	·4	·7	·6	...	...	—	9·0	59	Clear	78·8	65
12	—	...	1·0	1·0	1·0	·9	·9	·7	·4	·4	·4	·7	·3	·3	·9	1·0	...	—	9·9	64	...	...	...
13	—	...	...	...	...	...	·4	·9	·9	·9	·8	·7	·8	·3	·8	·8	·1	—	7·4	48	...	...	...
14	—	...	·2	...	...	·9	·3	·4	·6	·9	·9	·9	·8	1·0	·7	·1	...	—	7·7	50	...	...	...
15	—	...	·1	·6	·5	·5	·9	·4	·6	·4	...	...	...	...	...	...	...	—	4·0	26	...	...	...
16	—	...	1·0	·4	·1	...	·7	1·0	·4	·9	·7	·8	1·0	·5	·6	·5	·2	—	8·8	56	Clear	86·3	73
17	—	...	...	...	·4	·9	·9	·7	1·0	·9	·7	·9	·9	·8	·5	·4	·2	—	9·2	59	Clear	78·8	67
18	—	·2	·2	...	·9	1·0	·3	·2	·3	·1	·1	...	...	...	...	...	...	—	3·3	21	...	...	...
19	—	...	...	...	...	...	...	·1	·1	·2	...	...	...	...	...	...	...	—	0·4	3	...	...	...
20	—	...	...	·1	...	...	...	·2	...	...	·1	...	...	...	...	...	...	—	0·4	3	...	...	...
21	—	...	...	...	...	...	...	...	·2	...	...	...	·3	·3	·5	·1	...	—	1·4	9	...	...	...
22	—	...	...	...	...	...	...	...	·2	·1	·6	1·0	·8	·4	·7	...	...	—	3·8	24	...	...	...
23	—	...	...	...	...	...	...	·2	·1	...	...	...	...	...	...	...	...	—	0·3	2	...	...	...
24	—	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	·3	·7	·1	1·0	1·0	·2	—	12·1	76	...	...	...
25	—	...	...	...	·2	·1	·1	·2	·6	·7	·1	·8	·3	·2	·6	·6	...	—	4·5	28	...	...	...
26	—	...	·3	1·0	1·0	·6	·8	·7	·7	·4	·2	·7	·9	1·0	1·0	·2	...	—	9·5	59	Clear	74·0	64
27	—	...	...	·4	·5	·8	·4	...	...	...	...	·8	...	...	·2	...	...	—	3·1	19	...	...	...
28	—	...	...	...	...	...	...	·2	·3	·2	·6	...	...	...	...	...	...	—	1·3	8	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	·2	·4	1·0	1·0	·7	·5	·5	·2	·1	...	...	4·6	28	Haze	45·1	39
31	...	...	...	...	...	...	...	...	...	...	...	·1	...	·1	...	...	...	...	0·2	1	...	...	...
Sum.	0·0	0·2	4·7	9·4	11·4	12·0	12·0	12·1	13·8	**14·1**	13·8	13·5	13·3	11·6	13·7	8·5	0·7	0·0	164·8	—	—	—	—
Mean	0·00	0·01	0·15	0·30	0·37	0·39	0·39	0·39	0·45	**0·45**	0·45	0·44	0·43	0·37	0·44	0·27	0·02	0·00	5·32	34	—	—	—

445. Richmond (Kew Observatory) : h_S = 13·3 metres. **June, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	·2	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	...	...	...	...	...	8·4	52	...	...	...
4	...	...	·1	·7	·3	·5	·1	·3	·1	·1	·3	·2	·2	...	...	...	...	...	2·9	18	...	...	...
5	...	...	...	...	...	...	...	...	...	·2	·6	·8	·2	1·0	·7	...	...	...	3·5	21	...	...	...
6	...	...	...	...	...	...	...	·1	·5	·2	...	...	...	...	...	...	...	...	0·8	5	...	...	...
7	...	...	...	...	·2	·1	...	·1	...	·1	...	·2	...	...	...	...	...	...	0·7	4	...	...	...
8	...	...	...	...	·1	...	·1	·2	·2	·6	·3	·3	·3	...	...	...	...	...	2·1	13	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	·2	...	...	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	7·2	44	...	...	...
11	...	·4	1·0	1·0	·9	·9	·2	·2	·2	·2	·8	·7	1·0	·9	1·0	1·0	·3	...	10·7	65	...	...	...
12	...	·6	·9	1·0	1·0	·6	·3	·2	·5	·2	...	...	...	...	...	...	...	...	5·3	32	...	...	...
13	...	...	...	...	·7	·2	...	·6	·7	·8	1·0	1·0	1·0	1·0	·3	·5	...	...	7·8	47	...	...	...
14	...	...	...	·1	...	·2	·9	·1	·3	·3	·1	·4	·7	·7	·9	·3	...	...	5·0	30	...	...	...
15	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·1	1	...	...	...
16	...	...	...	...	...	...	...	...	...	·1	...	...	...	·1	·4	...	...	...	0·6	4	...	...	...
17	...	...	...	·4	1·0	·9	·6	·6	·3	·5	·2	·4	·7	·8	·4	·1	...	...	6·9	42	...	...	...
18	...	...	...	...	...	...	...	...	·2	·4	...	...	...	...	...	...	...	...	0·6	4	Ci.	45·3	40
19	...	...	...	...	...	...	...	...	...	·1	·1	·3	·2	·2	·4	·4	...	...	1·7	10	...	...	...
20	...	...	...	...	...	...	·1	·3	·4	...	·2	·2	·2	...	...	...	...	...	1·4	8	...	...	...
21	...	...	·5	1·0	·7	·9	...	·1	...	·1	...	...	...	...	...	...	...	...	3·3	20	...	...	...
22	...	...	·1	...	·2	·1	...	·3	·8	·9	·2	·2	·5	·7	·2	·8	·3	...	5·3	32	Clear	71·1	63
23	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·8	1·0	·7	...	**14·3**	**86**	Clear	74·1	65
24	...	...	·3	·9	·6	·3	1·0	·5	·3	·1	...	·3	·1	...	...	...	...	...	4·4	26	...	...	...
25	...	...	...	...	...	...	...	...	·1	...	...	...	...	...	...	...	...	...	0·1	1	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	1·0	·9	·7	·2	...	...	2·8	17	...	...	...
27	...	...	...	...	·7	·4	·1	...	...	...	·6	...	·1	·1	...	...	...	...	2·0	12	...	...	...
28	...	...	...	...	...	·3	·9	·8	·4	·1	·2	·2	...	...	...	...	...	...	2·9	18	...	...	...
29	...	...	...	·8	1·0	1·0	1·0	1·0	1·0	·9	·8	·7	·8	·8	1·0	1·0	·1	...	11·9	72	Haze	43·5	38
30	...	...	·6	1·0	·7	1·0	·8	·9	·3	...	...	...	...	...	...	...	·2	...	5·5	33	...	...	...
Sum.	0·0	1·0	4·6	8·8	**10·3**	9·5	8·1	8·3	8·3	8·5	8·4	8·2	8·9	9·2	7·8	6·3	2·0	0·0	118·2	—	—	—	—
Mean	0·00	0·03	0·15	0·29	**0·34**	0·32	0·27	0·28	0·28	0·28	0·28	0·27	0·30	0·31	0·26	0·21	0·07	0·00	3·94	24	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

446. Richmond (Kew Observatory) : hs (Height of recorder above ground) = 13·3 metres. **July, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	...	...	...	...	...	·3	·4	...	...	...	·2	1·0	·8	·9	·1	...	...	...	3·7	22	...	...	...
2	...	...	...	·7	1·0	1·0	·9	·9	·5	·4	...	...	...	...	·2	...	...	...	5·6	34	...	...	...
3	...	...	...	...	·3	·1	...	...	...	...	...	...	...	...	...	...	...	...	0·4	2	...	...	...
4	...	...	...	·1	1·0	·3	...	·1	·2	·2	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	8·4	51	...	...	...
5	...	...	·3	1·0	·8	·4	·1	1·0	1·0	1·0	1·0	1·0	1·0	·8	1·0	1·0	·1	...	11·5	70	Clear	68·9	60
6	...	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	...	13·6	83	Haze	50·7	44
7	...	...	1·0	·9	·7	·5	...	·1	·9	·8	·9	·9	·5	·9	·8	·6	·3	...	9·8	60	...	...	...
8	...	...	...	...	...	...	·1	·8	·4	·9	1·0	1·0	·8	·8	·9	·6	·6	...	7·9	48	...	...	...
9	...	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	...	...	...	...	11·2	69	Haze	71·8	63
10	...	...	...	...	...	...	·8	·6	·5	·9	·6	·4	·8	...	...	...	...	...	4·6	28	...	...	...
11	...	...	·7	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·5	...	**14·1**	86	Haze	59·5	52
12	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	13·0	80	Haze	57·3	50
13	...	...	...	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·3	...	13·2	81	Haze	60·6	53
14	...	...	...	...	...	...	·1	·1	...	·4	...	·1	·1	·4	·4	1·0	·1	...	2·7	17	...	...	...
15	...	...	·6	·7	·7	·9	·8	·5	1·0	1·0	·6	·7	·3	·1	·3	·2	...	...	8·4	52	...	...	...
16	...	...	...	...	·5	...	·5	·9	·8	1·0	1·0	1·0	·9	·9	·3	·3	·4	...	8·5	53	Clear	73·9	64
17	—	...	...	...	·2	·6	·3	·1	...	...	...	...	...	...	...	...	...	—	1·2	7	...	...	...
18	—	·3	1·0	·4	·9	·8	·8	·6	·1	·6	·4	·3	...	...	·2	...	...	—	6·4	40	...	...	...
19	—	·4	·6	1·0	1·0	1·0	·9	...	...	...	...	...	...	...	...	...	...	—	4·9	31	...	...	...
20	—	...	...	...	·2	·9	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	—	11·7	73	Clear	76·6	66
21	—	...	...	...	·9	·7	1·0	1·0	1·0	·9	1·0	1·0	1·0	·8	1·0	1·0	·4	—	11·7	74	Clear	71·3	61
22	—	...	...	·2	·6	...	·2	·2	·4	·4	·8	1·0	1·0	1·0	1·0	·6	...	—	7·4	47	...	...	...
23	—	...	·3	·6	1·0	·7	·9	·9	·9	·3	·1	...	...	...	...	...	...	—	5·7	36	Clear	72·7	62
24	—	·5	·7	·9	1·0	·9	·9	·9	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·5	—	14·0	**89**	Clear	74·8	64
25	—	...	...	...	...	...	...	·2	...	...	...	...	...	...	...	·5	·1	—	0·8	5	...	...	...
26	—	·2	1·0	1·0	1·0	1·0	·6	·9	·6	·8	1·0	·9	1·0	·9	·8	·6	·1	—	12·4	79	Clear	78·2	66
27	—	·3	1·0	·6	·9	1·0	·8	·2	...	·3	·5	·1	...	...	...	...	...	—	5·7	37	...	...	...
28	—	...	...	...	...	...	...	...	...	...	...	·3	·8	·4	·3	·2	·1	—	2·1	13	...	...	...
29	—	...	·4	·8	1·0	·9	·7	...	·1	...	·3	·2	·3	·3	...	...	...	—	5·0	32	...	...	...
30	—	...	·2	·8	·9	·6	·8	·8	·4	·2	·1	...	...	...	...	...	...	—	4·8	31	...	...	...
31	—	·2	·8	·5	·3	...	...	...	...	...	...	...	...	...	...	...	...	—	1·8	12	...	...	...
Sum.	0·0	1·9	10·6	15·0	**19·9**	17·6	17·6	16·8	15·8	17·1	17·5	17·9	17·3	15·4	14·2	13·0	4·6	0·0	232·2	—	—	—	—
Mean.	0·00	0·06	0·34	·48	**0·64**	0·57	0·57	0·54	0·51	0·55	0·56	0·58	0·56	0·50	0·46	0·42	0·15	0·00	7·49	47	—	—	—

447. Richmond (Kew Observatory) : hs = 13·3 metres. **August, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	--	·1	1·0	·9	1·0	1·0	1·0	1·0	·9	·9	·9	1·0	1·0	1·0	1·0	·9	·1	—	**13·7**	89	...	...	...
2	—	...	·1	·3	·2	·9	·8	1·0	·7	·4	·3	...	...	·8	·9	·8	...	—	7·2	47	...	...	...
3	—	...	·1	1·0	1·0	1·0	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·2	—	12·9	84	Clear	74·4	62
4	—	...	·8	1·0	1·0	1·0	1·0	1·0	·7	1·0	1·0	1·0	1·0	1·0	·9	...	...	—	12·4	82	...	...	...
5	—	...	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·9	·6	·6	·8	·7	·5	...	—	11·9	78	...	...	...
6	—	...	·2	·7	1·0	1·0	1·0	1·0	1·0	·9	1·0	·9	·3	1·0	·8	·1	...	—	10·9	72	...	...	...
7	—	...	...	·4	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	·8	·3	·9	·3	...	—	10·6	70	Clear	56·4	46
8	—	...	·5	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	1·0	1·0	1·0	1·0	1·0	...	—	13·1	87	Clear	68·0	56
9	—	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	·6	·1	...	...	—	10·9	73	Clear	76·4	62
10	—	...	·3	·7	·8	1·0	1·0	1·0	·8	·9	·5	·9	·4	·6	·6	·6	...	—	10·1	68	...	...	...
11	—	...	·1	·9	·8	1·0	1·0	1·0	·9	·7	·4	·1	·5	1·0	1·0	·7	...	—	10·1	68	...	...	...
12	—	...	·7	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	·9	·5	·9	1·0	·6	...	—	12·5	84	...	...	...
13	—	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	·9	·4	·3	·5	...	·3	·5	...	—	9·6	65	...	...	...
14	—	...	...	·5	·6	·1	1·0	·8	·1	·8	·2	·4	·3	·1	·5	...	...	—	5·4	37	...	...	...
15	—	...	...	...	...	...	...	...	1·0	·9	·9	·9	·9	1·0	1·0	·9	...	—	7·5	51	...	...	...
16	—	...	...	·6	1·0	1·0	·2	·1	·3	·7	·8	·3	·2	·8	...	...	...	—	6·0	41	...	...	...
17	—	...	...	...	·1	·4	...	...	...	...	...	...	·2	·3	·4	...	...	—	1·4	10	...	...	...
18	—	...	·2	...	·1	·6	·5	·4	·3	...	·2	·3	·6	·7	...	·7	...	—	4·6	32	...	...	...
19	—	...	·7	·5	1·0	·4	·4	...	...	·2	·3	·3	...	...	...	...	...	—	3·8	26	...	...	...
20	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...
21	—	...	...	...	·1	·9	·9	·7	...	...	...	·2	·6	·9	1·0	·8	...	—	6·1	43	...	...	...
22	—	...	...	1·0	·9	1·0	1·0	·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·7	...	—	12·4	87	...	...	...
23	—	...	·2	1·0	1·0	·8	·9	·4	·4	...	...	...	...	...	...	...	...	—	4·7	33	...	...	...
24	—	—	...	...	...	...	...	·9	...	...	...	...	·7	·6	...	...	—	—	2·2	16	...	...	...
25	—	—	·5	1·0	1·0	...	...	·2	...	...	...	...	...	...	...	...	—	—	2·7	19	...	...	...
26	—	—	...	...	...	·4	·5	...	...	·6	·3	1·0	·9	·7	·9	·2	—	—	5·5	40	...	...	...
27	—	—	·2	·7	·9	1·0	1·0	1·0	·7	·7	·3	·7	·8	·6	·5	...	—	—	9·1	65	...	...	...
28	—	—	·5	1·0	1·0	·9	·4	·7	·7	·8	1·0	·8	·3	...	·1	·3	—	—	8·5	62	...	...	...
29	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
30	—	—	·6	1·0	1·0	1·0	1·0	1·0	·9	1·0	1·0	1·0	1·0	·9	·9	·2	—	—	12·5	**91**	...	...	...
31	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·6	...	...	...	...	—	—	8·7	64	Clear	73·4	54
Sum	—	0·1	9·1	19·2	21·5	**22·4**	21·2	20·9	18·4	19·1	17·0	17·2	15·7	17·6	16·5	10·8	0·3	—	247·0	—	—	—	—
Mean.	—	0·00	0·29	0·62	0·69	**0·72**	0·68	0·67	0·59	0·62	0·55	0·56	0·51	0·57	0·53	0·35	0·01	—	7·97	55	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.

DURATION OF BRIGHT SUNSHINE.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

448. Richmond (Kew Observatory) : h_S (Height of recorder above ground) = 13·3 metres. **September, 1923.**

Day.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm².	mw/cm².
1	—	—	...	·6	·2	·9	1·0	·7	·6	1·0	·9	·8	·7	·4	·5	...	—	—	8·3	61	...	...	...
2	—	—	...	·9	1·0	1·0	1·0	·9	·3	·1	·2	1·0	·7	...	...	...	—	—	7·1	53	...	...	...
3	—	—	...	·1	1·0	1·0	1·0	·9	·1	·8	·6	·8	·9	·9	·5	...	—	—	8·6	64	Clear	66·0	48
4	—	—	·1	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	0·1	1	...	...	...
5	—	—	...	...	...	...	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	...	—	—	8·1	61	Clear	63·3	45
6	—	—	...	...	...	...	...	...	·1	·9	1·0	1·0	1·0	1·0	·9	...	—	—	5·9	45	Haze	58·9	42
7	—	—	...	...	...	...	·1	...	...	...	...	1·0	·9	·7	·5	...	—	—	3·2	24	...	...	...
8	—	—	...	...	·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	...	—	—	10·2	78	Cloud	38·6	27
9	—	—	...	·1	1·0	·9	1·0	·9	·9	1·0	·9	·9	·4	·9	·4	...	—	—	9·3	72	...	...	...
10	—	—	...	...	...	·9	·8	·9	·9	·6	·8	·8	·1	·4	...	...	—	—	6·2	48	Haze	48·0	33
11	—	—	...	...	...	...	...	·4	·9	·9	1·0	1·0	1·0	1·0	·7	...	—	—	6·9	53	...	...	...
12	—	—	·1	·3	·3	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·9	...	—	—	10·4	81	Haze	64·5	44
13	—	—	...	...	...	...	1·0	1·0	1·0	·6	·9	·3	·4	...	...	...	—	—	5·2	41	...	...	...
14	—	—	...	...	...	·2	·8	·8	·9	·8	·3	·6	·3	...	...	...	—	—	4·7	37	Clear	66·8	45
15	—	—	...	·5	1·0	1·0	1·0	·9	·5	·2	...	...	...	...	...	...	—	—	5·1	40	Clear	66·8	45
16	—	—	...	·3	1·0	1·0	1·0	1·0	1·0	1·0	·9	·8	·9	·5	·6	...	—	—	10·0	79	...	...	...
17	—	—	...	·6	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·9	1·0	·5	...	—	—	**11·0**	**88**	Clear	80·8	53
18	—	—	...	...	·3	1·0	·8	·4	·1	·8	·9	...	·5	·6	·6	...	—	—	6·0	48	Ci.-St.	50·9	33
19	—	—	...	·4	1·0	1·0	1·0	·5	·3	...	·1	...	...	...	...	...	—	—	4·3	35	...	...	...
20	—	—	...	·8	1·0	1·0	1·0	·9	·9	·4	...	·5	·1	...	...	...	—	—	6·6	54	Clear	77·1	49
21	—	—	...	·2	·5	·5	·2	·2	·1	·2	·5	·8	·2	·8	·4	...	—	—	4·6	38	...	...	...
22	—	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	—	...	...	...	...	...
23	—	—	...	·4	·2	·2	·2	·5	·6	·8	·9	·7	·5	·1	...	...	—	—	5·1	42	...	...	...
24	—	—	—	...	1·0	·9	1·0	·8	·5	·7	·8	·4	·7	·1	...	—	—	—	6·9	57	...	...	...
25	—	—	—	·2	1·0	1·0	·9	·6	·6	·2	·6	·2	·2	·1	...	—	—	—	5·6	47	...	...	...
26	—	—	—	·2	·4	·9	·2	·2	...	...	...	...	...	...	...	—	—	—	1·9	16	...	...	...
27	—	—	—	...	...	·7	·5	·7	·5	·7	·9	·5	·6	...	...	—	—	—	5·1	43	Ci.-St.	28·9	17
28	—	—	—	...	·4	·9	1·0	·9	·6	·6	...	...	...	...	...	—	—	—	4·4	37	...	...	...
29	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
30	—	—	—	...	...	...	...	...	...	...	·3	·5	·4	1·0	·4	—	—	—	2·6	22	...	...	...
Sum.	—	—	0·2	5·6	12·7	18·0	**18·6**	18·1	15·4	16·3	16·5	16·6	14·4	12·3	8·7	0·0	—	—	173·4	—	—	—	—
Mean.	—	—	0·01	0·19	0·42	0·60	**0·62**	0·60	0·51	0·54	0·55	0·55	0·48	0·41	0·29	0·00	—	—	5·78	46	—	—	—

449. Richmond (Kew Observatory) : h_S = 13·3 metres. **October, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm².	mw/cm².
1	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
2	—	—	—	...	1·0	1·0	1·0	·8	·1	...	...	...	...	...	...	—	—	—	3·9	34	...	...	...
3	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
4	—	—	—	...	·1	·1	·2	·8	·9	·9	·5	·4	·8	1·0	·2	—	—	—	5·9	52	...	...	...
5	—	—	—	...	...	...	...	·6	·2	...	...	·1	...	...	...	—	—	—	0·9	8	...	...	...
6	—	—	—	...	...	...	·1	·1	·5	·6	·2	1·0	·4	·4	...	—	—	—	3·3	29	...	...	...
7	—	—	—	...	·1	...	...	·4	·4	·1	...	...	·1	...	...	—	—	—	1·1	10	...	...	...
8	—	—	—	...	·2	1·0	1·0	·1	...	...	·5	·1	...	...	...	—	—	—	2·9	26	...	...	...
9	—	—	—	...	...	·1	...	·2	1·0	·8	·6	...	...	·2	...	—	—	—	2·9	26	Ci	68·1	37
10	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
11	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
12	—	—	—	...	...	...	...	...	...	...	...	...	...	·1	...	—	—	—	0·1	1	...	...	...
13	—	—	—	...	·5	1·0	1·0	1·0	·7	·6	·6	·7	·4	·3	...	—	—	—	6·8	63	...	...	...
14	—	—	—	...	·7	·9	1·0	·8	·7	·6	·5	·2	·6	·1	...	—	—	—	6·1	57	...	...	...
15	—	—	—	...	·7	1·0	1·0	1·0	1·0	·9	1·0	·9	·9	·9	...	—	—	—	**9·3**	**87**	Clear	71·1	36
16	—	—	—	...	...	·4	·3	·6	1·0	·9	·1	·2	·7	...	...	—	—	—	4·2	40	...	...	...
17	—	—	—	...	·4	1·0	·3	·2	...	...	...	...	...	...	...	—	—	—	1·9	18	...	...	...
18	—	—	—	...	...	...	...	...	...	...	...	...	...	...	...	—	—	—	...	...	...	...	...
19	—	—	—	...	...	·2	...	...	...	...	...	...	...	...	...	—	—	—	0·2	2	...	...	...
20	—	—	—	...	...	·2	·6	1·0	1·0	·9	·8	·6	·1	...	...	—	—	—	5·2	50	Ci.	61·2	29
21	—	—	—	...	...	...	...	...	...	...	...	...	·3	·2	...	—	—	—	0·5	5	...	...	...
22	—	—	—	...	·2	·7	·8	1·0	1·0	·5	·3	...	·9	·5	...	—	—	—	5·9	57	...	...	...
23	—	—	—	...	...	...	...	...	...	...	...	...	·1	...	...	—	—	—	0·1	1	...	...	...
24	—	—	—	...	...	·5	1·0	1·0	·9	1·0	·9	·8	·5	·2	...	—	—	—	6·8	67	Clear	78·8	36
25	—	—	—	—	·3	·9	·9	·9	·5	·3	·3	·9	·6	·2	—	—	—	—	5·8	57	...	...	...
26	—	—	—	—	...	...	·7	1·0	·8	...	·5	·9	1·0	·2	—	—	—	—	5·1	51	...	...	...
27	—	—	—	—	...	...	...	·2	...	·1	·5	·3	...	—	—	—	—	—	1·1	11	...	...	...
28	—	—	—	—	...	...	·3	1·0	·7	·7	·1	·3	·1	·1	—	—	—	—	3·3	33	...	...	...
29	—	—	—	—	·3	·5	·4	·5	·5	·3	·4	·2	...	...	—	—	—	—	3·1	32	...	...	...
30	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
31	—	—	—	—	...	·1	·8	1·0	·6	1·0	·9	·9	·7	·1	—	—	—	—	6·1	63	Ci.-St.	48·3	20
Sum.	—	—	—	0·0	4·5	9·6	11·4	**14·0**	12·7	10·1	8·3	8·7	8·5	4·5	0·2	—	—	—	92·5	—	—	—	—
Mean.	—	—	—	0·00	0·15	0·31	0·37	**0·45**	0·41	0·33	0·27	0·28	0·27	0·15	0·01	—	—	—	2·98	28	—	—	—

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.

For periods of sixty minutes, between the exact hours, of Local Apparent Time.

450. Richmond (Kew Observatory) : h_S (Height of recorder above ground) = 13·3 metres. **November, 1923.**

Hour L.A.T.	3 to 4.	4 to 5.	5 to 6.	6 to 7.	7 to 8.	8 to 9.	9 to 10.	10 to 11.	11 to Noon	Noon to 13.	13 to 14.	14 to 15.	15 to 16.	16 to 17.	17 to 18.	18 to 19.	19 to 20.	20 to 21.	Total for Day.	Per cent. of Possible.	Radiation, Ångström Pyrheliometer. Sky.	Total.	Vertical.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
2	—	—	—	—	...	...	...	·4	·8	·8	1·0	·6	...	...	—	—	—	—	3·6	37	...	...	...
3	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
4	—	—	—	—	·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	·8	·1	—	—	—	—	**8·0**	**85**	...	...	...
5	—	—	—	—	...	...	...	...	...	...	·2	...	...	...	—	—	—	—	0·2	2	...	...	...
6	—	—	—	—	...	...	...	·8	·7	·7	·7	·2	·1	...	—	—	—	—	3·2	34	Ci.-St.	25·0	10
7	—	—	—	—	...	...	·7	1·0	1·0	1·0	1·0	1·0	1·0	...	—	—	—	—	6·7	72	Haze	66·3	25
8	—	—	—	—	...	...	...	...	·4	1·0	1·0	·4	...	...	—	—	—	—	2·8	30	Mist	39·6	15
9	—	—	—	—	...	...	...	...	...	...	·6	...	...	...	—	—	—	—	0·6	7	...	...	...
10	—	—	—	—	...	...	...	·2	·9	·8	·2	·5	·4	...	—	—	—	—	3·0	33	Clear	40·8	15
11	—	—	—	—	...	1·0	1·0	1·0	1·0	1·0	1·0	·4	...	...	—	—	—	—	6·4	70	...	...	...
12	—	—	—	—	...	...	·1	1·0	·9	·5	...	·3	·1	...	—	—	—	—	2·9	32	Haze	20·7	7
13	—	—	—	—	...	...	...	...	·1	·2	·1	...	...	...	—	—	—	—	0·4	4	Clear	73·0	26
14	—	—	—	—	...	·8	1·0	1·0	1·0	1·0	·7	·7	·5	...	—	—	—	—	6·7	75	...	...	...
15	—	—	—	—	...	·2	...	...	...	...	·3	·4	·2	...	—	—	—	—	1·1	13	...	...	...
16	—	—	—	—	...	·2	...	...	·8	1·0	·8	·3	·6	...	—	—	—	—	3·7	42	Clear	74·4	25
17	—	—	—	—	...	·6	1·0	·1	·7	·3	·8	·9	·1	...	—	—	—	—	4·5	52	...	...	...
18	—	—	—	—	...	...	·3	...	·9	1·0	1·0	1·0	·3	...	—	—	—	—	4·5	52	...	...	...
19	—	—	—	—	...	·5	1·0	·8	·9	·8	·9	·9	...	...	—	—	—	—	5·8	67	...	...	...
20	—	—	—	—	...	...	...	·9	·7	·2	·3	·3	·2	...	—	—	—	—	2·6	30	...	...	...
21	—	—	—	—	...	...	...	...	...	...	·6	·3	...	...	—	—	—	—	0·9	10	...	...	...
22	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
23	—	—	—	—	...	...	...	...	...	...	·5	·4	...	...	—	—	—	—	0·9	11	...	...	...
24	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
25	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
26	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
27	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
28	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
29	—	—	—	—	...	...	...	...	...	...	...	...	...	...	—	—	—	—	...	...	...	...	...
30	—	—	—	—	...	...	...	·7	1·0	1·0	1·0	·9	...	...	—	—	—	—	4·6	56	Mist	27·7	8
Sum.	—	—	—	—	0·1	4·3	6·1	8·9	12·7	12·2	**13·8**	10·6	4·3	0·1	—	—	—	—	73·1	—	—	—	—
Mean.	—	—	—	—	0·00	0·14	0·20	0·30	0·42	0·41	**0·46**	0·35	0·14	0·00	—	—	—	—	2·44	28	—	—	—

451. Richmond (Kew Observatory) : h_S = 13·3 metres. **December, 1923.**

	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	%		mw/cm²	mw/cm²
1	—	—	—	—	...	...	...	·1	·1	...	·1	·5	...	...	—	—	—	—	0·8	10	...	...	...
2	—	—	—	—	...	...	...	...	·1	·8	1·0	·5	·1	...	—	—	—	—	2·5	31	...	...	...
3	—	—	—	—	—	...	...	·8	1·0	1·0	1·0	1·0	·2	—	—	—	—	—	5·0	62	Mist	33·8	10
4	—	—	—	—	—	...	...	...	...	...	·1	·1	...	—	—	—	—	—	0·2	2	...	...	...
5	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
6	—	—	—	—	—	...	...	...	·2	·1	1·0	·3	...	—	—	—	—	—	1·6	20	...	...	...
7	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...		...
8	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
9	—	—	—	—	—	...	...	·8	1·0	1·0	1·0	1·0	·1	—	—	—	—	—	4·9	62	...	...	...
10	—	—	—	—	—	...	...	...	·1	...	...	...	...	—	—	—	—	—	0·1	1	...	...	...
11	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
12	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
13	—	—	—	—	—	...	...	·4	...	...	...	...	...	—	—	—	—	—	0·4	5	...	...	...
14	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
15	—	—	—	—	—	...	·6	·3	...	·5	1·0	1·0	...	—	—	—	—	—	3·4	44	Ci.	42·8	11
16	—	—	—	—	—	...	·4	·6	·9	·5	...	...	...	—	—	—	—	—	2·4	31	...	...	...
17	—	—	—	—	—	...	...	·3	...	...	·4	·1	...	—	—	—	—	—	0·8	10	...	...	...
18	—	—	—	—	—	...	·1	·9	·4	·1	·3	...	...	—	—	—	—	—	1·8	23	...	...	...
19	—	—	—	—	—	...	·1	·4	...	·1	·6	·2	...	—	—	—	—	—	1·4	18	...	...	...
20	—	—	—	—	—	...	·3	·1	...	·7	·6	·3	...	—	—	—	—	—	2·0	26	...	...	...
21	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
22	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
23	—	—	—	—	—	...	·7	1·0	1·0	1·0	·9	·8	·3	—	—	—	—	—	**5·7**	**73**	...	...	...
24	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
25	—	—	—	—	—	...	...	...	·1	...	...	...	...	—	—	—	—	—	0·1	1	...	...	...
26	—	—	—	—	—	...	...	·2	...	...	...	...	...	—	—	—	—	—	0·2	3	...	...	...
27	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
28	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
29	—	—	—	—	—	...	...	...	·7	·9	·6	...	...	—	—	—	—	—	2·2	28	Ci.	18·0	5
30	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
31	—	—	—	—	—	...	...	...	...	...	...	...	...	—	—	—	—	—	...	...	...	...	...
Sum.	—	—	—	—	0·0	0·0	2·2	5·9	5·6	6·7	**8·6**	5·8	0·7	0·0	—	—	—	—	35·5	—	—	—	—
Mean.	—	—	—	—	0·00	0·00	0·07	0·19	0·18	0·22	**0·28**	0·19	0·02	0·00	—	—	—	—	1·15	15	—	—	—
Annual Total.	0·0	3·2	30·9	64·1	94·3	114·8	125·9	143·3	141·4	**142·9**	136·8	130·3	105·7	82·2	64·7	39·3	7·6	0·0	1427·4	—	—	—	—
Annual Mean.	0·00	0·01	0·08	0·18	0·26	0·31	0·34	0·39	0·39	**0·39**	0·37	0·36	0·29	0·23	0·18	0·11	0·02	0·00	3·91	32	—	—	—

Hour L.A.T. | 3 to 4. | 4 to 5. | 5 to 6. | 6 to 7. | 7 to 8. | 8 to 9. | 9 to 10. | 10 to 11. | 11 to Noon | Noon to 13. | 13 to 14. | 14 to 15. | 15 to 16. | 16 to 17. | 17 to 18. | 18 to 19. | 19 to 20. | 20 to 21. | Total for Day. | Per cent. of Possible. | Radiation, Ångström Pyrheliometer. Sky. | Total. | Vertical.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°): Speed in metres per second.

452. Richmond (Kew Observatory): H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	340	3·0	340	2·6	—	0·7	340	1·6	—	1·3	340	2·0	—	1·3	—	1·3	340	1·6	330	1·6	270	2·6	265	1·6
2	205	3·6	200	4·9	195	7·9	195	6·9	195	6·9	200	5·6	200	5·2	205	4·6	205	4·6	220	7·5	220	8·9	225	7·9
3	230	7·5	235	7·5	230	5·9	225	6·9	235	6·9	240	5·6	240	5·9	240	5·2	235	6·6	230	6·2	240	6·9	250	6·2
4	250	1·6	250	1·6	250	1·6	—	1·3	250	1·6	250	2·0	250	2·0	250	1·6	250	2·0	245	2·0	265	2·0	—	1·3
5	—	0·0	—	0·0	—	0·3	—	0·7	—	0·0	—	0·3	—	0·7	255	2·6	230	2·3	190	3·6	185	4·9	190	6·6
6	305	5·6	315	5·2	315	6·2	310	5·2	310	4·6	315	3·0	315	1·6	315	2·3	—	1·3	315	2·0	315	2·3	315	3·0
7	—	1·0	260	1·6	260	2·6	255	3·3	235	3·6	220	5·6	205	6·6	215	7·2	215	7·2	220	6·6	235	5·2	235	3·0
8	260	5·9	260	5·6	250	4·9	250	3·6	250	5·2	255	3·9	245	4·9	245	3·9	245	4·3	230	4·9	240	5·2	240	3·9
9	330	1·6	265	2·6	240	1·6	240	3·0	235	4·3	220	4·9	215	7·2	205	7·2	210	8·9	215	7·5	240	8·2	265	6·6
10	245	6·2	245	5·9	240	7·2	245	6·6	245	6·9	240	6·6	235	7·2	240	7·2	235	7·5	230	7·5	240	8·9	250	6·6
11	265	3·6	265	2·6	265	3·0	265	3·3	270	2·6	270	2·6	270	2·3	270	1·6	270	2·3	270	3·3	280	4·3	290	4·3
12	290	3·6	315	4·3	330	3·9	345	3·9	360	3·6	360	3·9	360	3·9	360	2·6	—	1·3	—	1·0	360	2·0	360	3·9
13	—	1·0	—	1·0	—	1·0	—	1·3	—	1·3	360	1·6	—	1·3	—	0·7	—	0·7	—	1·0	315	1·6	315	2·3
14	235	3·3	235	2·3	235	3·6	235	3·3	240	3·0	245	3·6	245	3·6	245	3·6	245	3·6	240	3·3	255	3·3	260	4·9
15	285	3·0	255	3·6	255	2·6	255	3·3	255	3·3	255	1·6	265	3·3	275	3·0	285	4·3	280	3·3	280	3·3	285	3·0
16	250	2·0	250	2·0	270	2·0	285	3·0	305	1·6	310	3·6	310	2·0	310	2·0	315	2·0	10	1·6	15	2·6	15	2·6
17	—	1·0	—	0·0	—	0·3	—	0·7	—	0·3	—	0·3	—	0·7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
18	—	0·0	—	0·0	—	0·0	—	0·0	—	1·3	—	1·3	50	1·6	—	0·7	—	1·3	45	1·6	330	2·0	330	2·3
19	—	1·3	—	1·3	360	1·6	320	2·3	305	2·3	300	1·6	300	2·0	270	2·3	240	2·3	240	3·0	240	2·6	240	3·6
20	245	5·6	255	5·2	290	4·6	310	3·9	315	4·9	320	3·9	305	4·9	320	4·6	300	5·6	310	4·6	320	6·2	310	8·2
21	335	3·9	340	3·6	345	3·0	345	2·0	345	2·0	—	1·3	325	2·0	—	0·7	280	2·3	280	3·3	280	2·6	285	3·0
22	270	2·6	275	2·3	275	2·3	275	1·6	275	1·6	275	2·0	275	2·3	275	2·0	275	2·0	270	2·6	275	3·3	285	5·2
23	5	5·6	15	2·0	360	2·3	360	1·6	360	2·0	360	1·6	360	2·0	360	2·0	—	1·0	360	1·6	360	2·3	360	2·6
24	250	3·3	250	2·3	250	3·3	250	3·3	250	2·3	250	2·6	250	3·0	250	3·3	245	3·3	235	3·9	235	3·3	240	3·3
25	—	1·0	—	1·3	—	1·3	—	1·3	240	1·6	—	1·0	—	1·0	—	1·3	—	1·0	—	1·3	240	2·0	240	2·0
26	270	2·0	—	1·3	270	1·6	270	1·6	270	2·0	270	2·0	270	2·0	270	1·6	270	1·6	270	2·3	270	1·6	270	2·3
27	275	2·3	275	2·0	275	1·6	—	1·3	275	2·0	275	2·0	275	2·0	275	1·6	275	1·6	275	1·6	280	2·6	280	3·0
28	265	2·0	265	2·3	265	2·0	265	2·3	265	1·6	—	0·7	265	1·6	265	2·0	265	1·6	265	2·0	265	3·0	275	2·6
29	270	1·6	260	2·3	260	3·3	260	3·3	260	3·3	260	3·0	260	3·0	260	3·0	250	3·9	250	4·6	250	3·9	260	3·6
30	280	3·0	280	3·0	280	3·0	280	2·0	280	2·6	280	2·0	280	3·0	280	1·6	280	2·0	280	2·0	280	2·6	290	3·3
31	265	3·3	275	3·6	270	3·9	270	4·6	275	3·9	265	3·9	260	4·3	260	3·0	260	1·6	250	3·9	260	4·9	270	4·3
Mean ...	—	2·9	—	2·8	—	2·9	—	2·9	—	2·9	—	2·8	—	3·1	—	2·8	—	2·9	—	3·3	—	3·7	—	3·8

453. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	240	6·6	245	6·6	250	8·5	245	8·2	250	7·5	245	6·6	245	7·9	245	6·6	240	7·5	240	6·6	240	7·5	235	6·2
2	235	8·5	230	7·5	235	7·2	230	6·6	240	6·9	235	6·6	235	6·6	235	5·9	235	5·6	235	6·6	235	5·6	240	4·9
3	245	6·6	245	5·6	245	4·9	250	4·3	245	4·9	250	3·0	250	3·3	250	3·9	250	3·6	230	4·9	245	5·9	245	5·2
4	240	3·9	240	3·0	240	2·6	—	1·3	—	1·3	240	2·0	240	2·0	240	2·0	245	2·3	315	4·6	345	4·9	340	4·6
5	—	0·3	—	0·3	—	0·0	—	0·0	—	0·0	—	0·3	—	0·0	—	0·3	—	1·0	220	2·6	195	3·6	195	4·9
6	180	2·6	180	4·3	185	3·0	185	3·6	185	6·9	180	4·6	180	5·6	165	3·9	175	5·9	185	8·9	185	8·2	180	8·5
7	210	3·0	210	2·6	210	2·0	205	2·6	190	3·9	185	5·2	175	5·2	165	6·9	165	8·2	170	8·9	170	9·2	180	8·5
8	180	8·9	175	7·5	165	8·5	170	10·2	175	10·2	170	8·9	170	10·5	180	8·5	175	8·5	175	7·2	185	7·2	195	4·6
9	245	1·6	245	1·6	—	1·3	—	1·3	—	1·0	—	0·7	—	0·3	—	0·7	—	1·0	—	1·3	245	1·6	—	1·3
10	160	3·6	160	3·0	160	3·6	160	3·0	150	4·6	155	4·3	160	4·3	155	3·9	155	5·6	155	6·2	155	6·2	160	7·5
11	180	6·6	200	7·2	200	4·6	190	4·3	195	5·2	190	3·6	190	3·9	210	3·3	200	4·6	200	5·2	205	5·9	215	4·3
12	215	2·0	215	2·6	215	2·0	215	1·6	—	1·0	—	1·3	—	0·7	—	0·7	—	0·7	—	0·0	—	0·3	—	1·0
13	—	1·0	—	1·0	—	1·3	—	1·0	—	1·0	—	0·7	—	0·3	—	0·7	—	1·0	55	2·0	45	2·3	50	2·3
14	130	5·2	130	3·6	130	4·3	130	3·3	130	3·9	130	3·6	130	3·6	130	3·6	130	3·9	115	4·3	115	4·3	115	3·0
15	—	0·7	—	1·0	—	1·0	—	1·3	—	1·0	—	1·3	—	1·0	—	1·3	115	4·3	110	2·6	110	3·3	110	2·0
16	155	3·0	165	4·3	205	3·3	215	2·3	240	3·0	250	2·0	250	2·3	250	2·0	250	2·3	250	3·0	250	3·3	240	3·6
17	185	4·9	170	4·3	220	4·9	250	3·9	250	2·6	250	2·3	250	3·3	250	2·3	250	2·6	260	3·0	280	4·3	275	4·3
18	125	5·6	125	5·9	125	5·2	120	6·9	120	7·5	120	6·6	120	6·9	115	7·9	120	7·5	110	5·9	115	5·9	115	4·3
19	—	1·0	—	0·7	—	1·0	265	2·0	265	2·0	—	1·0	—	0·3	—	0·7	265	1·6	300	2·0	310	3·9	320	2·6
20	5	4·9	5	4·6	15	4·3	15	3·9	20	4·3	25	4·3	25	4·3	30	4·9	35	4·6	50	4·3	50	3·3	50	2·3
21	105	3·6	105	4·3	105	4·3	105	4·3	115	4·3	115	3·6	120	5·2	125	4·6	155	5·6	160	4·9	180	4·9	210	3·6
22	245	3·0	245	2·6	245	2·6	—	1·3	245	2·0	—	1·3	—	0·3	—	1·3	—	1·3	225	2·3	215	3·3	185	4·3
23	230	6·6	240	6·2	245	5·9	245	5·2	250	4·9	265	5·6	285	5·9	290	5·9	290	5·6	290	5·2	290	4·9	290	4·3
24	185	2·0	185	2·3	185	2·6	180	2·6	135	3·9	125	3·9	115	5·6	115	4·6	115	4·6	125	5·6	130	5·6	130	4·6
25	—	1·3	—	1·0	—	0·3	—	1·0	—	0·7	—	0·7	—	0·3	—	0·3	—	0·7	—	1·0	—	0·3	195	2·0
26	215	2·6	210	2·6	195	4·3	190	4·6	160	5·9	160	5·6	155	5·9	155	5·6	160	5·2	165	5·9	205	8·2	235	10·2
27	210	10·2	205	8·9	210	9·2	215	8·2	205	8·2	205	7·2	210	9·2	210	7·9	215	9·5	195	12·1	200	11·8	200	11·1
28	240	7·5	250	6·6	250	7·2	255	6·9	265	8·2	255	7·2	250	7·2	240	6·9	240	6·6	240	7·2	230	5·9	225	6·6
Mean ...	—	4·2	—	4·0	—	3·9	—	3·8	—	4·2	—	3·7	—	4·0	—	3·8	—	4·3	—	4·8	—	5·1	—	4·7

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

January, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	1·0	265	1·6	265	2·3	265	2·0	265	1·6	—	1·0	265	1·6	265	1·6	265	2·0	215	3·0	205	3·6	205	3·3	1·9	1
215	8·5	215	8·5	220	9·2	220	8·9	215	8·2	255	8·2	270	3·6	225	4·6	230	8·2	220	6·9	220	7·9	225	7·9	**6·8**	2
245	6·2	245	5·6	250	5·2	250	3·0	250	3·9	250	3·9	250	3·3	250	2·6	250	2·3	250	2·3	250	2·0	250	2·0	5·1	3
310	3·0	320	2·3	—	1·0	—	1·0	—	1·3	—	0·7	—	1·3	—	0·7	—	1·3	—	1·0	—	1·0	—	0·3	1·5	4
190	7·5	190	8·2	190	6·9	180	8·2	185	8·2	180	8·2	180	7·2	210	5·2	280	4·6	285	3·0	295	4·3	305	5·2	4·0	5
300	3·9	300	3·9	295	3·3	290	1·6	285	2·0	260	2·0	260	2·3	260	2·6	260	2·3	260	1·6	260	1·6	—	1·3	3·0	6
235	2·3	245	2·6	260	2·3	260	2·6	260	3·0	260	2·3	260	3·0	265	3·0	260	4·6	255	3·0	255	3·9	255	3·6	3·7	7
255	3·3	285	3·6	330	3·6	330	2·3	330	3·6	330	2·6	330	1·6	330	2·3	330	1·6	330	2·6	330	2·0	—	0·7	3·6	8
270	7·5	265	4·9	265	5·9	255	5·6	250	5·2	250	4·6	225	5·6	240	5·2	245	6·2	240	6·6	240	6·6	240	6·2	5·5	9
255	7·2	255	8·2	260	6·9	260	5·2	265	4·6	265	3·6	260	3·9	255	3·6	255	3·0	255	3·0	260	3·6	260	3·3	5·9	10
290	4·6	295	4·3	300	4·6	300	3·6	300	2·3	295	3·0	290	3·0	290	3·0	285	3·3	280	3·3	280	3·0	285	2·6	3·2	11
360	3·6	360	3·9	360	3·0	5	1·6	5	1·6	—	1·3	—	1·3	5	2·0	—	1·3	5	1·6	—	0·7	—	0·3	2·5	12
—	1·3	—	1·3	255	1·6	—	1·0	255	1·6	255	2·0	255	2·3	255	3·0	245	3·9	235	3·9	235	3·6	235	4·3	1·8	13
270	5·6	265	3·0	270	3·9	280	3·9	315	3·6	335	3·0	350	3·3	345	2·0	345	1·6	315	2·0	285	2·3	285	2·3	3·3	14
290	3·9	295	4·6	290	4·3	285	3·0	285	3·3	285	3·0	285	2·6	285	2·0	250	3·0	250	3·3	250	3·0	250	2·6	3·2	15
15	2·3	15	2·0	15	2·6	15	3·3	20	3·9	20	3·6	45	3·3	50	2·3	50	2·0	—	1·3	—	1·0	—	0·7	2·3	16
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	**0·1**	17
335	3·0	350	3·0	360	3·0	—	1·3	360	2·3	360	1·6	360	2·3	360	2·3	360	3·0	360	3·3	360	2·0	—	0·7	1·7	18
245	4·3	235	3·9	225	4·6	235	4·3	240	4·3	240	4·9	250	6·2	265	8·5	260	6·6	250	5·9	245	4·6	250	4·6	3·6	19
325	7·2	330	8·2	350	8·5	350	7·9	350	5·9	345	5·9	340	5·2	340	3·9	340	3·6	340	3·9	340	4·9	335	3·0	5·5	20
285	2·6	285	2·0	285	2·3	260	2·6	245	3·0	245	3·0	245	2·6	—	1·3	245	2·3	245	1·6	—	1·3	250	2·6	2·4	21
290	6·2	295	4·9	260	4·3	265	4·3	280	4·6	275	3·3	260	3·9	260	3·6	265	4·6	270	4·3	280	5·2	305	4·6	3·4	22
345	3·0	330	2·0	330	2·0	—	1·0	330	1·6	—	1·0	330	1·6	320	1·6	250	3·3	250	2·0	250	2·3	250	2·3	2·1	23
245	3·0	245	3·3	240	3·9	240	3·6	240	3·0	240	2·3	240	2·3	240	2·3	240	2·6	240	2·0	240	2·0	240	1·6	2·9	24
255	2·0	260	2·3	270	2·3	275	2·3	285	3·0	290	3·0	270	2·0	270	1·6	270	2·0	—	1·3	270	1·6	270	2·3	1·7	25
270	2·0	270	2·0	270	2·0	270	1·6	270	2·0	—	1·3	275	1·6	—	1·3	275	2·0	275	2·0	275	1·6	275	2·3	1·8	26
275	3·0	285	3·3	280	3·6	280	2·6	285	2·6	285	2·0	285	2·0	285	2·3	285	1·6	285	2·0	280	2·6	265	2·3	2·2	27
280	3·3	285	3·0	290	3·0	290	3·0	290	2·6	290	2·0	290	2·3	290	2·6	290	3·3	285	3·6	285	2·6	285	2·6	2·4	28
265	4·6	275	4·6	280	4·6	275	4·6	270	4·9	260	4·6	265	4·6	270	4·6	270	3·9	280	4·3	280	4·3	280	2·6	3·8	29
300	2·6	290	3·0	290	2·6	290	2·0	290	1·6	—	1·3	275	2·6	265	2·6	265	3·0	265	2·3	265	3·3	265	2·3	2·5	30
250	4·9	260	7·2	260	6·2	255	4·3	245	4·3	255	3·9	260	5·2	240	4·6	240	5·6	245	5·9	245	6·2	240	6·9	4·5	31
—	**4·0**	—	3·9	—	3·9	—	3·3	—	3·3	—	3·0	—	3·0	—	2·9	—	3·2	—	3·0	—	3·1	—	2·8	3·2	

February, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
235	7·9	235	7·2	240	6·6	235	6·9	240	6·6	240	6·6	235	8·2	235	7·5	235	7·9	235	7·5	235	8·2	235	7·9	7·3	1
245	5·6	245	4·9	235	4·6	235	5·9	230	6·2	240	4·9	235	5·9	230	5·6	240	6·2	240	6·2	245	6·2	235	4·9	6·1	2
240	5·2	240	4·3	250	4·6	250	3·6	250	3·0	245	3·0	240	3·3	240	3·6	240	3·0	240	3·3	240	3·3	240	3·0	4·2	3
335	4·3	350	4·6	360	3·6	350	3·0	340	1·6	—	1·3	—	1·0	—	0·3	—	0·3	—	1·0	—	0·7	—	1·0	2·4	4
210	5·9	205	6·9	210	5·9	200	4·3	195	4·6	195	3·3	190	3·6	190	3·3	185	4·3	180	3·0	180	3·3	180	3·0	2·7	5
185	7·9	185	7·9	180	8·5	185	8·5	180	7·9	170	6·9	175	8·2	180	6·2	185	6·2	200	4·9	210	3·0	210	2·6	6·0	6
190	9·5	190	8·9	185	7·5	195	6·2	190	4·3	190	6·2	190	6·9	190	6·2	190	7·9	190	7·9	190	7·5	185	7·9	6·3	7
305	5·6	—	1·3	310	3·9	245	2·3	245	2·6	245	2·0	245	2·6	245	1·6	245	2·0	—	1·3	245	1·6	—	1·0	5·5	8
245	2·3	245	2·0	245	2·0	245	2·0	245	1·6	245	2·0	195	3·0	180	2·3	175	2·6	165	3·3	160	3·9	160	3·6	1·8	9
165	6·6	160	5·2	165	4·9	165	3·3	165	3·3	155	4·3	155	4·9	155	4·9	155	4·3	155	3·9	175	5·2	175	4·9	4·6	10
230	4·9	215	5·6	215	5·6	225	3·9	215	3·0	215	3·6	215	3·9	215	3·0	215	2·6	215	2·6	215	2·6	215	2·6	**4·3**	11
220	2·0	220	2·6	220	2·0	—	1·0	—	1·3	220	1·6	220	1·6	—	1·3	—	1·3	220	1·6	180	2·0	145	1·6	**1·4**	12
65	2·3	70	2·6	85	3·3	100	2·0	110	3·3	115	3·6	115	4·9	120	3·6	120	4·6	125	4·6	125	5·9	125	3·6	2·4	13
115	2·0	—	1·3	—	0·7	—	0·3	—	0·7	—	1·0	115	1·6	115	1·6	—	1·0	—	0·7	—	0·3	—	0·3	2·5	14
110	2·6	115	3·6	130	4·3	140	3·6	145	3·9	150	3·6	155	4·3	155	3·3	155	3·3	155	3·0	155	2·6	155	3·6	2·5	15
240	3·3	225	4·3	225	3·0	225	2·3	225	2·0	225	2·0	225	2·6	225	2·6	210	2·6	190	3·9	180	4·6	185	4·9	3·0	16
295	3·9	275	3·6	270	1·6	280	1·6	60	3·0	90	6·9	105	5·9	105	7·2	100	8·2	105	6·2	115	7·2	125	5·9	4·3	17
100	3·3	—	1·3	—	1·0	90	1·6	335	3·0	335	2·0	335	2·3	270	2·3	265	1·6	—	0·7	—	1·0	—	1·0	4·2	18
320	3·6	320	3·6	330	3·6	340	3·9	340	3·6	345	3·3	340	3·3	355	3·3	360	3·9	10	5·9	15	5·9	5	5·6	2·7	19
50	3·6	50	3·0	50	3·0	50	2·0	50	2·0	85	2·3	95	3·0	105	3·0	105	4·6	105	3·6	105	4·6	105	3·6	3·7	20
260	3·9	285	2·0	270	3·9	260	3·9	275	3·0	270	3·0	245	3·3	245	2·6	245	3·3	245	2·6	245	2·3	245	2·0	3·7	21
155	3·3	150	4·9	150	5·6	145	6·6	125	8·2	140	6·2	185	5·2	185	6·2	185	7·2	185	6·9	180	7·5	205	7·2	4·1	22
290	5·6	290	4·9	290	3·6	290	1·6	—	0·0	—	1·0	—	1·3	285	1·6	—	1·0	—	1·3	195	2·0	185	1·6	3·9	23
130	4·9	135	4·3	135	3·6	135	3·3	135	3·3	135	3·0	130	3·9	115	2·6	115	2·3	115	1·6	—	1·0	115	2·0	3·5	24
210	3·3	215	2·6	235	3·0	240	2·3	240	2·3	240	2·0	245	1·6	—	1·3	245	2·0	235	3·6	230	2·6	230	1·6	1·6	25
240	9·5	235	9·2	220	11·1	215	11·1	220	10·5	215	9·8	220	9·2	225	9·8	215	9·8	230	8·5	220	10·5	215	10·8	7·6	26
200	11·8	195	10·2	200	11·5	205	10·5	210	9·2	210	9·2	215	7·9	210	8·5	210	7·9	215	7·9	215	6·9	215	6·9	**9·3**	27
215	6·2	215	5·9	230	6·6	250	5·2	225	4·6	240	4·3	260	3·0	235	3·0	235	2·6	235	3·3	240	4·9	250	4·3	5·8	28
—	5·0	—	4·6	—	4·6	—	4·0	—	3·9	—	3·9	—	4·2	—	3·9	—	4·1	—	4·0	—	4·2	—	3·9	4·2	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

454. Richmond (Kew Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	245	4·6	240	4·6	235	4·6	235	3·9	235	5·6	235	5·2	230	5·9	245	6·2	250	6·6	250	6·2	255	6·9	255	6·9
2	240	6·6	255	6·6	250	6·6	245	5·2	240	5·2	230	4·9	230	4·6	225	4·9	225	6·2	230	8·2	235	8·5	235	7·9
3	—	1·3	—	0·7	—	0·3	—	0·3	—	0·0	—	0·3	—	0·0	—	0·7	—	1·0	—	0·7	205	1·6	215	2·0
4	—	1·3	—	1·3	260	1·6	275	2·6	285	1·6	—	1·0	295	1·6	335	3·9	340	3·9	340	3·3	350	4·3	350	3·6
5	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·0	—	0·3	—	1·3	360	3·6	210	5·6	185	4·6
6	225	2·0	—	1·3	225	2·6	225	2·3	225	2·0	225	1·6	225	2·6	220	2·3	—	1·3	195	2·0	200	6·2	205	7·9
7	230	3·9	230	3·0	230	2·3	230	3·6	230	3·6	230	3·3	230	3·6	230	3·3	235	5·2	240	4·6	245	4·3	245	3·9
8	340	5·6	335	3·9	340	4·6	340	3·6	340	4·9	350	4·6	350	4·9	350	3·9	350	4·3	350	4·3	355	5·2	360	4·9
9	5	5·9	10	6·6	15	7·5	15	5·2	15	5·2	10	4·6	10	3·6	10	2·6	10	3·9	5	3·3	5	4·3	5	4·3
10	20	3·6	25	3·3	25	2·6	25	3·3	25	2·6	25	3·3	25	2·6	25	2·0	25	2·6	25	1·6	25	1·6	25	1·6
11	75	3·3	75	2·6	75	2·3	—	1·3	75	2·3	—	1·3	65	2·6	50	2·6	50	2·6	50	2·3	50	2·3	50	2·6
12	—	0·3	—	0·3	—	0·7	—	0·7	—	0·3	—	0·7	—	1·0	—	0·7	60	2·6	145	3·3	185	5·9	185	5·2
13	165	4·9	165	3·0	165	3·0	165	2·0	165	2·6	—	1·3	110	3·0	60	3·0	40	3·3	360	4·3	360	4·3	360	4·9
14	25	2·0	—	1·3	25	1·6	25	2·3	25	2·3	25	1·6	25	2·3	25	2·3	25	2·3	25	3·3	35	4·6	60	6·2
15	25	5·2	15	5·6	15	6·2	15	5·9	15	6·2	15	5·2	15	5·9	20	5·9	20	6·2	25	6·9	35	7·9	35	7·9
16	55	3·3	55	3·3	55	4·6	55	4·3	55	3·6	55	3·9	55	3·3	55	3·6	55	3·6	55	5·6	55	4·9	60	5·9
17	50	3·3	50	3·9	50	4·6	50	3·9	45	3·3	45	3·3	45	3·9	45	4·3	45	4·9	50	6·2	60	7·5	60	6·6
18	60	4·9	60	5·6	60	6·2	55	4·6	55	4·6	55	3·6	55	4·6	45	4·6	60	8·2	65	7·5	65	9·5	60	9·2
19	50	5·2	50	3·6	50	3·3	50	3·9	50	3·9	50	2·6	50	3·3	50	4·6	60	7·9	70	7·2	70	7·2	70	7·5
20	70	1·6	70	2·0	70	2·0	70	2·0	70	1·6	70	1·6	70	2·0	70	1·6	70	1·6	—	1·3	—	0·0	—	1·0
21	200	2·3	—	1·3	265	2·0	—	1·0	—	1·0	270	2·3	280	1·6	—	1·3	280	1·6	280	2·3	325	3·3	360	2·6
22	—	1·3	—	1·0	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·7	—	1·3	—	0·7	—	1·0	—	0·7
23	—	1·0	—	0·3	50	2·3	50	2·3	50	2·0	50	2·3	50	2·3	50	2·0	50	1·6	50	1·6	50	2·0	50	2·3
24	—	1·3	345	1·6	—	1·3	320	1·6	320	2·0	—	1·3	—	0·7	—	1·3	320	1·6	310	2·0	235	2·0	215	2·6
25	—	0·7	—	1·0	—	0·7	—	1·3	—	1·3	—	1·3	—	1·3	—	0·3	—	1·3	190	3·0	185	4·6	195	3·3
26	—	0·7	—	0·3	—	0·3	—	0·3	—	0·0	—	0·3	—	0·7	—	0·0	—	0·3	—	0·7	260	2·3	200	2·3
27	—	1·0	—	0·7	—	1·0	—	1·0	—	1·0	—	0·3	—	1·0	160	1·6	160	2·3	165	3·0	180	4·6	170	6·6
28	190	3·6	190	2·6	190	3·3	190	3·6	195	4·3	195	2·3	195	3·6	220	4·6	215	4·9	235	4·3	215	5·6	205	5·6
29	195	2·6	195	2·3	195	3·0	195	3·6	195	3·0	195	3·0	195	3·3	195	3·6	200	4·3	205	3·6	195	4·9	210	3·9
30	185	2·0	185	2·3	185	1·6	—	1·3	—	1·3	—	1·3	—	1·3	145	2·3	105	2·6	105	2·6	150	3·6	145	3·3
31	100	2·0	100	2·0	100	1·6	100	2·3	100	2·0	—	1·0	105	2·0	—	1·3	—	1·3	70	3·3	75	3·3	145	3·0
Mean ...	—	2·8	—	2·5	—	2·7	—	2·6	—	2·6	—	**2·3**	—	2·6	—	2·7	—	3·3	—	3·6	—	4·5	—	4·5

455. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·7	—	1·0	—	1·0	—	1·0	—	1·3	—	0·3	—	0·3	—	1·0	—	0·7	—	0·0	—	1·3	—	0·7
2	—	1·0	—	0·3	—	0·7	70	2·0	70	2·0	70	1·6	70	2·3	70	2·6	70	2·6	65	3·0	65	3·9	60	5·6
3	—	0·7	—	0·3	—	0·3	—	1·0	—	1·0	—	0·7	80	1·6	80	2·0	80	1·6	35	2·0	360	2·6	360	1·6
4	85	2·0	—	0·7	85	2·0	85	1·6	—	1·3	85	2·0	—	0·7	—	1·3	85	1·6	105	4·9	100	5·2	110	5·2
5	85	4·3	85	3·0	85	2·3	85	2·3	85	1·6	85	3·3	85	3·0	85	3·9	85	5·2	80	5·2	80	5·2	90	4·9
6	55	3·0	55	2·3	55	4·6	55	5·9	55	6·9	60	6·2	60	5·2	50	5·9	60	8·2	70	6·9	70	6·9	70	5·6
7	75	3·9	75	2·6	75	3·0	75	2·0	75	1·6	—	1·3	—	0·7	—	1·3	75	1·6	—	1·3	—	1·3	65	2·0
8	65	2·3	65	3·0	65	5·2	60	7·5	65	9·2	65	8·5	65	10·5	60	11·1	55	11·5	55	11·8	60	11·1	60	11·5
9	65	3·3	65	1·6	60	2·6	45	3·0	45	3·0	45	3·6	45	4·9	40	6·9	45	9·2	50	10·8	50	8·9	55	6·6
10	—	0·7	—	0·0	—	1·3	—	0·7	40	2·3	55	2·6	55	4·3	55	4·6	60	4·9	80	6·6	95	7·9	90	7·5
11	145	4·6	145	3·6	—	1·0	—	1·3	—	0·3	—	1·3	—	0·0	—	0·0	—	0·3	—	1·0	—	0·3	—	0·3
12	135	3·0	—	1·0	60	2·0	60	2·3	65	2·0	70	3·0	70	2·6	—	1·0	70	2·0	—	0·0	—	0·7	100	2·6
13	200	3·9	195	3·6	190	3·3	195	5·2	230	3·6	210	3·6	190	3·9	200	6·6	195	6·9	205	6·9	185	7·9	185	7·5
14	200	3·3	195	3·6	200	3·6	200	3·0	205	3·9	205	3·9	210	3·9	210	5·6	205	6·6	190	7·2	205	6·9	205	6·2
15	—	1·0	—	0·7	—	1·3	180	2·0	—	1·3	—	1·0	180	1·6	160	4·3	160	3·9	160	5·2	165	5·9	165	5·6
16	130	1·6	—	1·3	120	2·3	105	2·3	—	1·3	105	1·6	80	2·6	65	2·0	65	3·9	70	4·6	65	6·9	70	6·2
17	40	3·6	45	3·6	45	3·9	45	3·6	35	3·3	35	3·6	35	3·9	35	2·6	35	2·3	35	2·6	35	2·0	40	3·0
18	80	2·6	80	2·3	80	3·0	80	2·3	80	3·9	80	3·6	80	5·6	80	5·2	85	4·3	90	2·3	100	3·3	95	3·6
19	95	3·9	95	3·6	95	2·6	90	4·3	90	3·3	80	4·3	85	4·9	85	5·2	85	5·2	90	5·9	95	6·2	95	5·6
20	70	2·3	35	3·6	30	3·6	35	3·3	35	4·3	35	3·3	35	3·6	35	3·3	30	4·3	35	5·2	35	4·3	45	3·9
21	25	6·6	25	6·2	25	6·2	25	7·2	30	7·5	30	6·6	25	6·9	40	8·2	25	8·5	25	7·5	30	7·9	30	8·2
22	35	4·3	35	4·9	30	5·6	30	4·9	30	5·6	25	5·6	25	5·9	30	5·2	35	6·6	35	8·2	35	8·2	35	8·2
23	15	2·3	15	1·6	15	1·6	—	0·7	—	1·0	15	1·6	—	1·3	10	2·3	360	4·3	350	3·6	350	3·9	345	2·3
24	25	4·3	25	3·6	25	2·3	25	2·6	20	2·0	20	2·6	20	3·3	5	4·6	355	4·3	5	3·3	345	3·3	345	3·6
25	190	2·0	190	2·6	190	2·6	190	3·3	190	4·9	190	6·2	195	8·5	200	8·5	200	9·8	205	10·8	205	10·5	205	10·2
26	220	5·2	225	3·0	225	3·3	215	3·0	215	3·9	215	3·6	210	4·6	210	5·2	215	6·2	215	6·6	215	6·9	215	9·5
27	260	3·0	260	2·0	260	2·3	260	2·0	260	2·0	260	2·3	270	3·6	280	2·6	290	3·0	315	3·0	325	3·3	310	2·6
28	—	0·7	—	0·3	—	0·7	—	1·3	—	1·3	—	1·3	30	2·3	20	2·0	270	2·6	260	3·9	265	3·9	260	4·3
29	225	3·6	230	3·9	220	3·9	215	3·6	225	3·6	220	5·2	210	4·3	220	3·9	220	3·3	235	3·6	240	3·0	240	3·0
30	220	3·6	220	4·3	225	3·6	230	4·9	230	4·6	230	4·9	230	5·6	240	5·6	230	5·6	225	5·9	225	5·2	225	5·9
Mean ...	—	2·9	—	**2·5**	—	2·7	—	3·0	—	3·1	—	3·3	—	3·7	—	4·1	—	4·7	—	5·0	—	5·2	—	1·5

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

March, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
255	6·6	250	5·2	245	5·9	230	5·2	210	5·9	200	3·6	185	4·6	180	5·6	170	6·6	170	6·2	175	5·9	190	5·9	5·6	1
230	7·2	215	6·9	215	7·5	205	8·5	200	7·5	205	4·6	205	4·9	205	5·2	205	3·6	205	3·3	205	1·6	205	1·6	5·8	2
255	3·0	260	3·3	250	3·6	260	3·0	260	2·3	—	1·0	—!	1·0	—	0·7	—	0·7	—	0·3	—	0·3	—	1·3	1·2	3
355	4·6	360	3·6	360	3·9	360	3·0	360	2·6	360	2·3	—	0·7	—	0·3	—	1·0	—	1·3	—	0·7	—	0·3	2·3	4
190	5·2	215	5·2	225	4·9	230	5·2	220	4·9	225	3·6	225	2·6	225	2·6	225	3·0	225	2·3	225	1·6	—	1·3	2·9	5
200	7·5	200	7·5	195	8·2	195	5·6	195	4·9	195	3·9	200	3·9	230	3·3	230	3·9	230	2·6	230	3·6	230	3·0	3·8	6
250	4·9	270	2·6	270	3·6	270	4·6	275	3·9	275	3·0	280	2·3	280	2·6	295	4·9	310	5·2	315	4·3	330	4·9	3·8	7
360	6·6	360	5·9	360	7·2	360	5·2	360	6·9	5	5·9	10	7·2	10	4·9	10	7·2	10	5·9	5	5·6	5	5·9	5·4	8
5	3·9	5	3·6	5	3·3	5	3·3	10	3·0	20	3·0	20	3·3	20	3·6	20	3·3	20	3·3	20	3·9	20	2·3	4·1	9
—	1·0	—	1·3	25	1·6	65	3·6	75	4·6	75	3·6	75	2·0	75	1·6	75	1·6	75	2·0	75	3·9	75	2·3	2·5	10
50	3·0	50	3·0	50	3·0	50	3·3	50	2·6	50	3·0	45	2·3	—	1·0	45	1·6	45	2·0	45	1·6	45	2·0	2·4	11
180	6·2	185	4·9	175	6·6	180	5·2	180	5·9	180	5·2	180	4·3	180	4·3	170	3·9	165	3·3	165	3·3	165	4·3	3·3	12
360	5·2	360	4·6	5	3·9	20	3·9	25	3·3	25	3·3	25	3·9	25	3·0	25	3·0	25	2·0	25	2·0	25	2·0	3·4	13
60	6·6	55	6·9	50	5·9	40	5·6	40	5·9	40	5·6	30	5·6	35	5·2	35	5·2	35	4·9	35	5·2	35	5·2	4·1	14
35	7·5	35	7·9	45	8·5	50	7·9	50	7·2	50	5·6	55	6·6	55	4·9	55	4·9	55	3·3	55	3·6	55	3·0	6·1	15
60	6·2	55	5·9	50	6·2	45	6·6	50	6·6	50	6·2	50	6·2	50	5·6	50	5·2	50	3·0	50	3·6	50	2·6	4·7	16
60	7·9	65	9·2	70	8·9	70	7·2	70	7·2	65	6·2	60	5·6	60	4·3	60	3·9	60	4·3	60	3·6	60	3·9	5·3	17
65	11·1	60	8·9	60	9·8	60	9·5	70	8·5	65	6·9	55	7·2	50	5·9	50	5·9	50	4·6	50	3·9	50	4·3	**6·6**	18
70	8·2	70	6·6	70	7·2	75	7·2	75	6·9	70	4·6	70	5·9	70	4·6	70	3·0	70	3·0	70	2·3	—	1·3	5·1	19
—	1·3	75	1·6	75	3·3	75	3·3	75	4·9	75	3·6	—	1·3	—	1·3	70	2·0	70	1·6	70	2·3	165	2·0	1·9	20
5	3·6	20	3·3	45	3·3	45	2·3	45	2·3	—	0·7	—	0·0	—	0·7	—	0·3	—	0·3	—	0·7	—	1·0	1·7	21
—	1·0	—	0·3	—	0·3	—	1·0	50	1·6	—	0·3	—	0·3	—	0·0	—	0·0	—	0·3	—	0·7	—	0·3	**0·6**	22
50	3·6	50	3·0	50	3·0	50	2·3	50	2·0	30	1·6	345	2·0	—	1·3	—	1·3	—	1·3	—	1·0	—	1·0	1·9	23
205	3·0	215	2·6	200	2·0	210	2·3	215	2·3	185	2·6	175	2·0	—	0·7	—	1·3	—	0·3	—	0·7	—	1·3	1·7	24
200	3·0	200	2·3	200	2·6	250	3·3	265	2·6	—	0·7	—	1·3	—	1·0	—	1·3	—	1·0	—	0·7	—	0·7	1·7	25
160	2·3	160	2·0	—	1·3	160	2·0	—	0·7	—	0·3	—	0·3	—	0·3	—	0·7	—	0·7	—	1·0	—	0·7	0·9	26
170	6·6	170	5·9	155	6·2	155	6·2	175	5·9	175	2·6	175	3·3	175	2·3	180	3·0	190	3·6	200	3·0	195	3·9	3·1	27
195	6·9	195	7·2	190	7·5	190	6·6	185	5·6	185	4·6	180	3·0	180	3·6	185	3·6	195	3·3	195	3·0	195	3·0	4·4	28
215	3·0	190	3·9	180	5·6	200	5·9	215	2·6	—	1·3	—	1·0	—	1·0	230	1·6	230	2·0	230	2·6	200	2·6	3·1	29
150	4·3	145	3·3	140	3·3	140	3·0	135	3·3	125	3·0	125	2·6	125	2·0	—	1·3	125	2·0	100	3·3	100	1·6	2·5	30
170	3·3	200	4·6	220	3·6	225	2·3	225	2·0	225	1·6	—	1·3	—	1·3	225	1·6	—	1·0	—	1·3	—	1·3	2·1	31
—	**5·0**	—	4·6	—	4·9	—	4·7	—	4·4	—	3·3	—	3·2	—	2·7	—	2·9	—	2·6	—	2·6	—	2·5	3·3	—

April, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
—	1·3	—	1·0	135	2·0	35	2·3	40	4·3	60	4·3	70	4·9	70	4·3	70	2·6	70	3·3	70	2·6	—	1·3	1·8	1
60	6·9	75	5·9	85	6·6	80	6·2	80	5·9	80	5·6	80	5·9	80	4·3	80	4·3	80	3·3	80	2·0	—	1·3	3·6	2
55	3·3	80	3·6	80	4·6	75	3·9	85	4·9	85	4·3	85	3·0	85	1·6	85	2·3	85	2·0	85	1·6	—	1·3	2·2	3
105	6·2	130	5·2	135	5·2	100	5·2	85	5·9	85	3·9	85	3·9	85	4·3	85	4·9	85	4·6	85	5·6	85	5·2	3·6	4
60	6·2	60	5·9	60	6·2	60	5·2	60	4·6	60	4·9	60	3·9	60	3·3	60	3·0	60	2·3	60	2·6	60	3·0	4·0	5
65	5·9	65	6·2	65	6·6	65	5·2	65	4·6	65	3·6	65	3·6	65	4·6	75	5·6	75	5·6	75	4·3	75	2·6	5·3	6
—	1·3	135	1·6	110	2·0	110	2·3	110	2·3	110	3·6	105	4·3	100	2·6	100	3·6	100	3·0	100	2·3	85	2·0	2·2	7
65	11·1	65	10·8	65	11·1	60	10·8	60	11·8	60	10·5	60	8·2	55	7·5	50	5·6	55	4·6	65	6·2	65	4·9	**8·5**	8
50	6·6	45	6·2	40	5·9	35	5·2	45	4·9	35	3·3	20	3·3	20	1·6	—	0·3	—	1·0	—	1·0	—	0·3	4·4	9
110	8·2	100	7·9	110	8·2	110	5·2	105	5·2	105	4·3	100	4·3	100	3·0	100	3·6	105	5·6	115	6·9	115	4·6	4·5	10
—	0·3	—	1·0	—	0·3	—	0·3	120	1·6	90	2·6	—	1·0	90	2·6	90	3·3	90	3·0	90	2·0	85	3·3	**1·5**	11
165	2·3	215	3·3	210	4·9	230	3·3	235	3·9	245	3·0	230	3·9	235	3·0	225	2·3	225	4·3	210	4·9	210	3·9	2·7	12
185	8·2	180	7·2	180	7·9	180	7·5	180	6·6	175	5·6	185	4·6	195	3·9	195	4·6	200	5·2	210	4·9	210	3·3	5·5	13
195	6·2	205	4·9	175	7·5	195	3·9	180	5·2	180	5·2	180	2·3	180	1·6	180	2·0	—	1·3	—	1·0	—	0·3	4·2	14
160	6·9	165	6·2	165	6·9	140	4·6	135	5·9	170	3·0	135	4·6	130	3·6	130	3·6	130	2·6	—	1·0	130	1·6	3·5	15
65	7·2	65	7·9	75	7·2	70	5·9	55	5·6	85	4·3	85	4·9	95	4·6	95	4·9	55	4·3	50	4·6	45	3·9	4·2	16
30	3·6	30	3·6	45	4·6	60	3·6	60	5·2	60	3·3	65	3·9	80	3·6	80	2·3	80	3·0	80	1·6	80	1·6	3·3	17
95	4·9	95	5·2	100	4·9	110	5·2	105	4·3	90	4·9	80	6·9	80	6·6	90	4·9	100	4·6	90	5·6	90	3·9	4·3	18
95	4·9	100	5·2	85	4·6	80	4·3	75	4·9	75	3·9	75	4·3	75	4·6	75	4·9	75	4·3	70	3·0	70	2·6	4·5	19
40	5·2	45	6·2	50	7·5	45	7·9	50	6·6	50	7·5	40	6·9	30	7·5	30	7·2	35	5·9	30	5·6	30	5·2	5·1	20
25	7·2	25	6·9	25	7·9	15	7·5	15	7·5	10	6·6	5	5·9	10	4·6	15	3·9	15	2·3	20	4·3	35	3·3	6·5	21
50	10·2	45	9·2	30	9·2	35	7·5	35	8·5	30	6·6	20	6·6	20	5·2	10	5·2	15	4·9	15	4·3	15	3·3	6·4	22
340	2·3	355	2·3	350	1·6	—	1·3	—	1·0	—	1·3	345	2·0	335	1·6	—	1·3	—	1·0	360	3·6	15	5·2	2·1	23
340	2·3	340	2·6	320	2·0	315	1·6	—	1·3	—	0·7	—	0·0	225	2·6	190	3·0	190	3·0	190	3·0	190	2·0	2·7	24
205	9·8	205	9·2	210	9·5	215	8·2	215	7·9	220	7·5	230	5·9	230	6·2	220	5·9	220	6·9	215	6·2	210	5·6	7·0	25
230	7·2	275	6·9	290	4·6	260	3·3	285	6·2	260	3·3	275	1·6	275	1·6	260	3·0	245	3·3	235	2·6	245	3·0	4·5	26
315	2·6	305	1·6	345	2·3	—	1·3	30	1·6	—	1·0	—	1·0	30	2·0	30	2·0	30	2·0	—	1·3	30	1·6	2·2	27
260	3·3	250	5·2	285	5·2	240	3·9	220	3·9	240	2·3	270	3·3	255	2·3	235	3·3	225	3·3	225	3·6	225	3·0	2·8	28
240	3·0	235	3·3	225	3·9	225	3·0	225	2·3	225	2·3	225	2·0	225	3·0	225	2·6	225	3·3	210	4·3	215	3·3	3·4	29
225	6·6	215	5·9	230	7·5	225	7·2	225	7·2	220	7·2	220	6·2	215	5·2	220	5·9	215	5·6	220	6·6	220	4·9	5·6	30
—	5·4	—	5·3	—	**5·6**	—	4·8	—	5·1	—	4·3	—	4·1	—	3·8	—	3·7	—	3·7	—	3·6	—	3·0	4·1	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

456. Richmond (Kew Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	240	4·9	235	4·9	235	5·2	235	4·9	230	4·3	230	4·3	215	5·6	220	6·6	230	5·6	225	7·2	220	6·6	225	5·9
2	220	1·6	—	0·7	—	0·7	—	0·3	—	0·0	—	1·0	—	1·3	—	1·0	—	1·0	—	1·0	230	2·0	245	1·6
3	—	0·3	—	0·7	—	1·3	—	1·3	—	1·0	—	0·7	—	1·0	—	1·3	190	1·6	190	1·6	190	2·0	190	2·3
4	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3	—	0·0	—	0·0	—	0·3	190	1·6	190	6·2	205	6·2	205	6·9
5	—	0·7	—	1·0	—	0·0	—	0·3	—	0·0	—	0·3	—	0·0	—	1·3	—	1·3	230	1·6	—	1·3	185	1·6
6	230	1·6	230	1·6	—	1·3	230	1·6	—	1·3	235	2·0	250	3·0	280	3·0	265	3·0	250	3·3	270	3·0	285	2·3
7	—	1·3	—	1·3	—	1·3	—	0·7	—	0·7	—	1·3	340	3·3	15	3·6	15	3·0	15	3·3	5	4·6	5	4·3
8	—	1·3	—	1·0	—	0·7	—	0·7	—	0·7	95	1·6	—	1·3	95	1·6	95	1·6	85	3·0	55	3·9	60	4·3
9	—	1·0	25	1·6	360	3·6	5	2·0	5	1·6	5	1·6	360	2·6	345	2·0	—	1·3	—	1·0	250	2·6	260	2·6
10	325	2·6	325	3·0	315	3·0	310	3·0	310	3·0	310	3·0	310	3·6	310	4·6	315	5·2	320	5·9	320	5·6	325	5·6
11	230	8·5	230	8·5	240	6·2	255	4·9	260	4·3	260	4·6	255	5·6	265	6·6	275	7·2	265	7·2	270	7·9	275	7·9
12	265	2·3	265	2·3	275	1·6	—	1·3	—	1·3	280	2·3	300	3·6	285	4·3	295	5·6	300	4·3	290	5·6	280	4·6
13	240	2·6	240	3·3	240	3·3	245	3·3	255	3·0	260	2·0	260	2·3	260	2·0	250	3·0	270	4·3	260	4·6	270	5·9
14	250	4·3	260	2·6	260	3·3	260	3·0	260	3·0	260	3·0	270	3·6	290	3·6	290	4·6	285	4·6	270	4·6	265	4·3
15	205	4·6	195	6·2	210	5·9	205	5·2	210	5·6	210	5·6	205	6·9	215	7·9	215	7·5	220	8·5	215	8·2	205	9·5
16	240	3·6	240	2·3	240	2·6	240	2·0	240	2·3	240	2·3	255	3·6	280	4·9	285	3·9	275	5·9	285	7·2	260	5·6
17	245	3·3	245	2·6	245	2·0	245	2·0	250	3·0	255	2·6	275	3·6	285	4·6	295	4·9	305	5·9	305	4·9	285	5·6
18	270	2·3	270	2·0	270	2·6	270	2·3	270	3·0	270	3·0	275	3·3	295	3·9	315	3·9	305	4·6	295	3·3	290	3·6
19	—	1·0	—	1·0	—	1·3	—	1·3	—	1·3	—	1·3	285	2·6	285	2·3	280	3·0	260	3·3	260	4·3	265	3·6
20	280	1·6	280	1·6	280	2·3	280	2·3	280	2·6	265	3·3	250	4·3	260	3·6	250	3·9	245	5·2	235	5·9	245	5·6
21	255	3·9	265	3·3	265	3·3	265	2·6	265	3·0	270	2·6	285	3·6	295	3·9	285	4·6	295	3·9	295	4·9	280	4·9
22	300	1·6	—	1·3	300	1·6	300	2·3	285	2·6	260	3·0	260	3·0	245	3·6	240	3·6	250	4·3	275	3·3	275	4·3
23	255	3·6	260	3·0	260	3·3	255	4·3	255	3·6	260	3·0	265	4·6	265	4·6	270	4·6	265	4·6	280	4·3	265	5·6
24	55	3·6	55	2·3	55	2·6	55	2·6	55	2·0	55	3·0	55	3·6	70	3·9	65	3·6	70	2·6	70	3·0	40	2·3
25	225	2·0	225	3·0	225	2·3	225	2·3	225	2·6	245	3·6	250	4·6	250	4·3	255	4·3	295	3·0	290	4·3	285	3·9
26	—	0·7	—	1·3	—	1·3	—	0·7	—	1·3	—	0·7	—	0·7	340	1·6	10	1·6	5	2·6	5	2·0	345	2·0
27	—	1·0	70	1·6	60	2·6	50	2·6	50	3·0	50	3·0	50	4·3	50	4·3	60	4·6	60	3·9	45	4·3	55	3·3
28	40	1·6	—	1·3	—	1·0	—	0·7	—	1·0	—	0·7	40	3·3	40	3·9	40	4·3	35	2·6	25	3·6	25	4·3
29	40	3·0	40	2·6	40	2·3	40	3·3	35	2·3	35	2·0	35	3·3	40	4·9	45	4·9	40	4·3	45	5·6	50	5·9
30	130	2·0	130	2·0	110	1·6	—	0·7	—	1·3	110	2·0	—	1·3	110	3·0	110	3·0	105	2·3	85	3·3	95	5·2
31	80	4·6	75	6·9	75	4·3	75	4·6	75	4·6	70	3·9	65	4·3	70	4·6	65	3·9	65	4·3	65	4·6	70	4·6
Mean ...	—	2·5	—	2·5	—	2·4	—	2·2	—	2·3	—	2·4	—	3·1	—	3·6	—	3·7	—	4·1	—	4·4	—	4·5

457. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	70	4·3	70	4·3	70	3·9	70	3·0	70	3·3	70	3·6	70	4·3	70	3·9	70	4·3	75	3·6	75	3·6	75	2·6
2	55	3·6	55	2·0	55	2·6	55	2·6	55	3·0	55	3·0	55	3·3	55	2·0	55	2·6	50	3·0	50	4·3	45	4·9
3	—	0·3	—	0·7	—	0·3	—	0·7	—	1·0	—	0·7	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	330	1·6
4	345	3·0	350	3·6	360	3·6	360	3·0	5	4·3	30	6·2	35	7·2	30	6·2	30	6·6	20	6·6	20	6·6	15	6·6
5	—	1·0	—	1·3	—	0·7	—	0·3	—	0·7	—	0·7	—	1·3	—	0·3	—	1·3	30	2·0	—	1·3	—	1·3
6	300	2·3	300	2·3	310	3·9	320	3·9	320	3·9	325	4·6	335	4·6	330	4·9	325	3·9	310	3·9	315	4·3	320	5·2
7	—	0·7	—	1·0	—	0·7	—	1·3	350	2·3	320	2·0	320	1·6	320	2·3	325	2·0	335	1·6	335	1·6	330	1·6
8	260	2·0	260	2·6	260	3·9	255	3·6	255	4·3	260	3·3	255	3·9	255	6·6	260	7·5	260	7·5	250	8·2	245	8·2
9	245	6·9	245	7·9	250	7·2	245	6·9	245	5·9	245	6·9	240	7·5	235	6·9	240	7·9	240	6·6	240	6·9	245	6·6
10	240	5·6	240	5·6	245	5·9	235	6·2	235	6·2	240	5·9	250	5·9	245	8·2	245	6·2	245	6·2	250	5·6	260	5·6
11	270	3·3	270	3·9	270	3·3	270	3·0	270	3·3	285	3·6	295	4·9	310	4·9	305	4·9	310	5·6	315	5·6	315	3·9
12	—	1·3	—	1·3	—	1·3	—	1·3	—	1·0	—	1·0	305	2·0	285	2·0	295	3·9	305	4·6	300	4·3	295	4·6
13	280	2·6	280	2·3	280	2·6	280	2·3	280	4·6	280	3·9	285	4·6	290	6·2	300	5·6	300	4·9	315	5·6	320	5·9
14	335	3·6	340	4·9	335	4·3	335	4·3	340	4·6	345	4·3	350	4·6	345	3·6	340	4·3	350	4·3	340	3·3	340	3·6
15	330	1·6	325	2·6	320	1·6	320	1·6	320	2·3	320	2·0	320	2·3	310	1·6	290	2·6	270	3·3	265	3·3	265	4·3
16	300	3·0	300	4·6	305	3·9	295	4·3	295	4·3	300	4·6	315	5·2	330	5·6	360	5·9	350	5·2	345	4·9	345	5·6
17	—	1·0	—	0·7	—	0·0	—	1·3	355	2·3	350	2·0	350	3·3	345	4·6	335	4·6	355	4·9	340	3·6	330	4·3
18	—	0·3	—	0·3	—	0·0	—	0·7	—	1·3	—	0·3	—	1·0	—	1·0	—	1·3	—	1·3	325	1·6	270	2·0
19	250	2·0	250	2·0	250	2·3	250	2·3	230	2·6	230	2·3	230	3·0	230	2·3	230	1·6	245	2·6	295	3·6	310	3·9
20	305	3·6	305	3·6	305	2·6	305	2·6	305	2·6	305	2·3	305	2·6	330	4·3	340	3·6	350	5·6	355	5·6	345	6·2
21	—	1·3	305	1·6	—	1·0	—	1·3	305	1·6	290	2·0	265	3·3	265	3·3	295	3·6	285	2·6	290	3·6	295	3·3
22	260	2·3	255	2·3	245	2·0	245	2·6	245	2·3	245	3·3	290	4·3	290	3·9	300	4·3	305	4·9	295	4·9	305	4·9
23	305	1·6	—	1·3	295	2·6	260	2·0	260	2·0	260	2·3	265	2·3	295	3·6	305	3·6	290	2·3	295	2·0	295	2·3
24	—	1·3	—	1·0	—	0·7	—	1·0	325	1·6	320	2·6	330	4·6	330	4·3	325	4·3	315	4·6	310	4·3	320	3·3
25	310	1·6	310	1·6	310	1·6	310	2·0	310	2·0	310	1·6	310	3·6	315	3·9	310	3·3	305	4·6	335	3·9	345	3·9
26	—	1·3	—	0·3	—	0·3	—	0·7	—	1·0	—	0·7	—	0·3	—	1·0	—	1·3	—	0·7	—	1·3	10	2·0
27	—	1·3	—	0·7	—	0·7	—	0·7	—	0·0	—	1·0	10	2·0	10	2·6	10	2·6	350	3·3	250	2·6	250	2·3
28	—	1·3	—	1·3	—	1·3	—	0·7	—	1·0	—	0·7	—	0·7	340	2·3	360	2·0	360	2·3	20	3·0	10	2·3
29	—	0·7	—	0·7	—	1·0	—	1·0	300	1·6	—	1·3	—	1·0	—	0·7	—	1·3	—	1·3	305	1·6	—	1·3
30	—	0·3	—	0·7	—	0·7	—	0·7	—	1·0	60	1·6	345	2·0	345	2·6	325	2·0	285	2·6	265	3·6	295	4·3
Mean ...	—	2·2	—	2·3	—	2·2	—	2·7	—	2·6	—	2·7	—	3·3	—	3·6	—	3·7	—	3·8	—	3·9	—	3·9
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

May, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
225	5·6	215	5·6	215	6·2	215	5·9	205	4·3	215	3·9	220	3·0	220	2·6	220	2·0	—	1·3	—	0·7	—	1·0	4·6	1
275	2·0	280	2·6	270	2·3	—	1·3	270	2·0	—	1·3	—	1·0	—	1·0	—	0·3	230	2·0	—	0·7	—	0·3	**1·2**	2
190	2·6	185	4·6	195	5·2	190	4·9	190	4·9	195	4·3	195	2·6	200	1·6	200	2·0	—	1·0	—	0·3	—	0·7	2·1	3
215	7·2	225	5·9	225	5·9	220	4·9	210	5·6	210	4·6	215	3·9	220	3·0	225	2·6	225	2·0	—	1·3	—	1·3	3·0	4
170	3·3	145	3·3	200	2·0	215	2·3	150	5·6	165	4·6	170	5·6	195	4·9	215	5·2	225	3·3	245	2·6	255	1·6	2·2	5
290	1·6	270	2·0	265	1·6	250	1·6	—	1·3	255	1·6	255	1·6	255	2·3	255	2·0	—	1·0	—	1·3	—	1·3	1·9	6
5	3·6	360	4·3	360	4·9	10	4·3	35	3·9	95	4·3	90	5·2	90	4·3	95	3·3	95	5·6	95	3·0	95	2·3	3·2	7
60	4·3	65	4·3	75	3·9	85	3·9	90	5·2	75	4·3	75	3·6	75	2·0	75	2·6	75	2·0	—	1·0	40	2·6	2·5	8
235	3·3	245	3·0	280	3·6	225	3·6	260	3·6	300	3·9	305	2·3	305	1·6	320	3·9	345	1·6	—	1·3	345	2·3	2·4	9
325	5·2	345	4·9	330	5·2	320	4·6	285	5·2	280	3·6	285	3·0	270	3·9	260	4·6	250	5·2	235	6·9	230	8·2	4·4	10
295	7·9	290	7·2	295	7·9	295	7·2	295	7·9	300	4·9	290	2·3	295	3·6	285	3·6	265	3·3	265	2·0	265	1·6	**5·9**	11
250	5·6	260	2·3	265	3·0	305	2·3	295	4·3	260	6·2	265	5·2	270	3·9	245	3·6	240	3·0	240	3·3	240	3·0	3·5	12
275	5·9	280	5·2	270	5·9	285	5·2	285	5·2	270	6·6	265	5·2	260	4·9	250	4·3	245	5·6	255	4·3	250	4·3	4·2	13
265	4·6	265	4·6	255	5·6	255	5·6	260	5·2	260	4·9	250	3·9	220	5·6	220	4·3	220	4·9	210	5·6	215	4·6	4·3	14
230	7·5	220	7·5	215	6·6	215	5·6	210	5·9	225	5·6	265	5·6	235	3·3	220	3·6	245	2·3	240	2·0	240	2·6	**5·9**	15
290	6·2	310	6·6	285	7·5	295	6·2	295	5·2	285	5·2	260	3·6	260	3·3	295	2·3	285	2·3	260	2·6	245	3·3	4·2	16
275	5·6	310	4·6	285	5·6	265	4·9	275	5·6	270	3·6	285	3·9	290	2·3	290	2·3	275	2·3	270	2·3	270	2·0	3·8	17
285	3·0	295	3·3	300	3·0	300	1·6	300	2·0	305	1·6	—	1·3	—	0·7	—	1·0	—	1·3	—	1·0	—	0·7	2·5	18
265	4·3	265	2·6	270	3·9	265	3·3	260	2·3	265	1·6	280	2·0	280	3·0	280	2·3	—	1·3	280	1·6	280	2·3	2·3	19
245	6·2	240	6·6	250	7·2	255	5·2	250	6·9	245	4·9	250	6·9	245	5·6	240	5·9	245	5·9	245	5·6	245	4·9	4·7	20
285	4·6	310	3·6	310	3·6	305	4·3	305	3·6	300	2·6	300	2·0	—	1·3	300	3·0	300	2·3	300	2·3	300	1·6	3·4	21
265	3·9	280	5·9	270	4·9	265	4·9	265	4·9	270	4·6	270	4·3	265	3·6	240	3·9	245	3·6	255	3·3	255	3·0	3·5	22
315	2·3	325	1·6	10	1·6	20	4·3	35	5·2	40	5·6	55	4·6	55	3·9	55	3·9	55	3·0	55	3·0	55	2·6	3·8	23
30	2·3	—	1·3	5	2·0	345	1·6	—	1·3	315	1·6	280	2·0	275	2·6	215	3·0	220	2·6	220	2·6	225	3·0	2·5	24
295	4·3	305	4·6	305	5·2	340	5·2	345	2·0	300	1·6	285	2·3	—	1·3	295	2·0	300	2·0	—	1·0	—	0·7	3·1	25
350	3·3	360	3·3	360	3·9	15	4·9	30	4·6	35	3·6	35	3·0	65	3·0	70	1·6	70	1·6	70	1·6	—	0·7	2·1	26
40	4·3	30	3·6	35	4·6	35	4·6	30	5·6	40	4·6	40	4·3	40	3·6	40	3·6	40	1·6	40	1·6	—	1·3	3·4	27
35	5·6	30	4·3	25	3·0	60	3·9	120	5·2	125	3·9	70	4·3	65	2·0	40	4·3	40	4·3	40	2·6	40	2·0	3·1	28
45	6·9	50	5·9	55	6·2	55	4·9	45	5·9	45	4·6	45	4·6	50	3·9	50	3·0	50	1·6	—	0·3	—	1·0	3·9	29
100	5·2	80	3·6	80	5·9	105	6·2	115	5·9	100	6·6	85	6·6	80	5·9	75	5·6	80	4·6	85	5·9	85	4·3	3·8	30
70	4·6	65	4·6	65	5·2	70	5·2	70	4·6	65	5·2	85	5·9	85	4·9	75	5·2	70	5·2	70	4·3	70	4·3	4·8	31
—	4·6	—	4·3	—	**4·6**	—	4·3	—	4·5	—	4·1	—	3·7	—	3·2	—	3·3	—	2·9	—	2·5	—	2·4	3·4	

June, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
75	2·3	—	1·3	70	2·6	55	4·6	55	3·9	55	3·0	55	2·6	55	2·3	55	3·3	55	3·6	55	2·6	55	2·6	3·3	1
50	4·3	55	3·9	50	3·3	50	3·9	50	3·6	50	3·6	50	2·6	50	3·3	55	2·0	55	2·3	55	1·6	—	0·3	3·0	2
275	2·6	270	3·6	280	3·0	305	3·0	330	3·9	320	3·9	340	5·2	340	4·3	335	3·3	340	3·6	350	3·6	350	3·3	2·2	3
20	5·6	15	5·2	20	5·9	20	5·2	10	4·3	20	3·9	20	3·6	20	2·6	25	2·3	25	1·6	—	1·0	—	1·0	4·5	4
20	2·3	5	1·6	355	2·3	350	2·0	350	2·0	—	1·0	—	1·3	350	1·6	300	2·0	285	2·0	280	2·0	295	3·3	**1·4**	5
340	4·6	35	2·3	—	1·0	—	0·3	—	0·3	—	0·7	—	0·7	—	0·3	—	0·7	—	1·0	—	1·0	10	1·6	2·6	6
320	2·0	285	3·3	270	2·6	245	3·9	250	3·9	250	3·6	260	3·6	260	2·3	255	3·0	250	3·3	255	2·6	260	3·0	2·3	7
245	9·8	245	9·5	245	9·8	255	8·2	260	7·5	260	6·9	255	7·9	250	6·2	245	7·5	245	5·6	245	6·9	245	5·6	6·3	8
245	7·5	240	6·6	235	6·9	235	6·9	235	6·2	230	6·2	240	5·9	240	6·2	240	5·9	240	6·9	240	7·2	245	6·9	**6·8**	9
280	6·9	290	7·9	290	8·2	290	7·2	295	6·9	300	6·2	305	5·2	290	5·2	285	4·9	280	5·2	275	4·3	270	3·6	6·1	10
340	4·6	345	6·6	345	4·6	355	5·2	360	5·2	360	4·9	355	3·3	355	2·0	355	2·0	—	1·3	—	0·7	—	1·3	3·9	11
290	4·9	295	5·9	285	5·6	285	5·2	285	6·6	290	5·2	290	4·6	275	3·9	270	3·3	270	3·0	270	3·3	275	3·6	3·4	12
305	5·9	305	7·5	320	7·5	340	6·9	360	6·2	350	6·2	340	7·2	330	4·6	330	4·6	330	5·9	340	5·9	335	4·3	5·1	13
325	3·6	340	2·6	325	3·3	315	3·3	310	3·3	325	3·3	—	1·3	330	1·6	330	2·6	330	3·0	330	2·3	—	1·3	3·4	14
245	4·6	240	3·3	230	3·6	220	3·9	220	3·0	220	2·3	220	1·6	220	1·6	220	1·6	220	2·6	230	3·3	300	3·0	2·6	15
335	4·6	335	3·6	320	3·9	320	3·9	320	3·3	320	2·6	320	2·0	—	1·0	—	1·3	—	1·3	355	2·0	355	1·6	3·7	16
340	4·9	350	3·9	335	3·6	350	4·6	350	3·3	345	3·0	—	1·3	—	0·7	—	0·3	—	0·3	—	0·3	—	0·0	2·5	17
225	2·3	240	2·0	245	2·6	245	2·3	250	2·6	250	2·0	250	1·6	250	1·6	—	1·0	—	1·0	250	1·6	250	1·6	**1·4**	18
300	4·6	310	5·2	305	4·9	310	4·9	300	4·6	305	4·3	305	3·9	305	3·6	305	3·3	305	3·3	305	4·3	305	3·3	3·3	19
350	5·2	355	5·6	345	5·2	355	4·9	360	3·9	360	3·6	360	1·6	—	1·3	—	0·7	—	1·3	—	1·0	305	2·0	3·4	20
275	3·0	280	3·0	290	3·9	270	3·9	270	3·0	265	3·0	260	1·6	260	2·0	—	1·3	260	1·6	260	2·6	260	2·0	2·5	21
305	5·6	320	4·6	325	3·6	320	4·6	325	5·6	315	3·9	305	2·0	305	1·6	—	1·3	305	1·6	—	1·0	305	2·0	3·3	22
265	3·9	290	3·3	285	4·3	315	3·6	310	3·3	320	3·3	330	1·6	—	1·3	330	1·6	330	1·6	330	1·6	330	1·3	2·5	23
335	4·3	300	3·0	295	3·9	310	3·3	330	3·0	330	3·3	330	3·0	330	3·9	330	2·6	310	2·0	305	3·0	310	1·6	2·9	24
360	4·6	360	3·6	360	3·6	360	1·6	—	1·3	360	1·6	360	2·0	360	2·0	360	2·0	360	2·0	—	1·3	—	0·3	2·5	25
10	3·3	10	3·0	10	3·3	10	3·0	10	3·0	10	2·3	10	1·6	—	1·3	—	1·0	—	0·7	—	0·7	—	0·7	**1·4**	26
240	3·6	240	2·6	285	1·6	230	2·6	230	2·0	285	2·6	300	3·0	300	3·0	300	3·3	300	2·3	—	0·7	—	0·7	2·0	27
355	2·3	310	2·3	290	2·0	295	2·3	295	2·6	—	0·7	—	0·7	—	1·0	—	1·0	—	0·7	—	1·0	—	0·3	1·5	28
325	2·0	325	2·0	325	2·0	325	2·0	325	2·0	325	2·3	10	2·6	60	2·0	60	1·6	—	0·7	—	0·3	—	0·3	**1·4**	29
295	3·6	285	3·0	270	2·6	310	3·0	315	3·3	315	2·0	315	1·6	310	2·3	305	1·6	—	1·3	—	1·3	—	1·0	2·0	30
—	**4·3**	—	4·1	—	4·0	—	4·0	—	3·8	—	3·4	—	2·9	—	2·5	—	2·4	—	2·4	—	2·4	—	**2·1**	3·1	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360) : Speed in metres per second.

458. Richmond (Kew Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·3	—	1·0	305	2·0	305	1·6	305	2·0	—	0·7	—	1·3	305	2·0	310	3·3	325	3·6	310	4·3	335	3·3
2	—	0·3	—	0·7	—	0·7	—	1·0	—	0·7	—	1·0	—	1·0	—	1·0	255	2·3	250	2·6	255	2·3	260	2·0
3	—	1·3	—	1·3	—	1·0	205	1·6	205	3·0	205	2·6	205	2·3	205	3·0	210	4·3	205	4·6	205	4·3	205	5·6
4	225	2·6	225	2·6	225	3·0	220	3·3	220	4·3	215	3·9	210	4·9	215	4·6	215	4·9	215	4·3	220	4·6	215	3·9
5	—	1·0	—	0·7	—	0·0	—	0·3	—	0·3	—	0·3	—	0·0	—	1·0	110	1·6	—	1·3	135	2·3	160	2·6
6	90	3·3	90	2·6	90	2·6	90	2·3	90	3·3	90	3·9	90	4·3	90	4·3	90	4·9	80	5·9	85	6·2	90	6·6
7	85	2·3	85	1·6	85	2·0	85	2·6	85	1·6	85	2·3	85	2·6	120	3·0	130	3·3	140	3·9	145	3·9	160	4·3
8	215	1·6	215	1·6	215	1·6	—	1·3	215	2·3	215	2·6	230	3·3	240	3·9	265	4·6	260	3·9	260	3·6	255	3·3
9	250	1·6	—	0·7	—	1·0	—	1·3	—	0·3	—	0·3	—	1·3	—	0·7	—	1·0	—	0·7	180	1·6	185	2·0
10	45	3·9	60	3·0	75	1·6	90	2·0	75	3·3	50	4·9	50	2·6	50	2·0	45	1·6	40	3·6	20	3·0	25	3·0
11	—	0·7	—	0·3	—	0·0	—	0·7	—	0·3	—	0·3	—	0·7	—	1·0	—	1·3	—	1·3	125	1·6	180	2·0
12	—	0·3	—	0·7	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	175	2·0	125	2·6	110	3·3	100	3·0
13	85	2·3	85	2·6	85	1·6	85	2·0	85	1·6	85	1·6	85	1·6	85	2·3	80	3·3	90	5·6	85	4·9	105	4·3
14	—	0·7	—	0·3	—	1·3	—	1·0	—	1·0	—	0·7	—	1·3	—	1·3	220	2·3	225	2·6	245	1·6	—	0·3
15	210	1·6	—	1·0	210	2·0	—	1·0	210	2·0	210	1·6	210	2·3	210	2·6	235	2·3	240	2·3	215	4·9	230	4·9
16	225	5·6	225	3·6	225	2·6	225	3·3	225	3·9	225	3·9	225	3·9	230	4·3	225	3·3	245	5·2	260	5·9	255	5·9
17	270	2·0	270	1·6	270	1·6	255	2·6	250	3·0	235	3·0	220	3·3	235	3·9	240	4·9	235	4·6	235	4·6	230	3·6
18	255	2·3	260	1·6	260	2·6	260	1·6	260	2·0	260	2·6	260	2·6	260	3·0	260	3·3	245	3·3	255	3·9	265	3·3
19	—	1·0	—	1·3	—	1·3	270	1·6	—	1·0	270	1·6	270	1·6	255	2·3	220	3·6	210	4·3	215	4·3	230	4·3
20	210	2·3	210	3·0	210	2·6	210	3·6	210	3·0	210	2·6	230	3·6	235	3·6	230	5·2	235	4·9	250	5·6	245	5·6
21	245	2·6	245	3·0	245	3·6	245	3·0	260	3·0	250	3·6	255	3·3	255	3·3	255	3·3	235	3·6	240	4·3	245	3·9
22	260	1·6	260	1·6	260	2·3	260	3·0	260	2·6	255	3·6	235	3·3	215	3·3	220	3·6	240	3·3	260	3·3	235	3·9
23	240	2·3	240	2·0	240	2·6	230	3·3	220	3·6	215	4·6	210	5·9	215	5·6	210	5·9	215	6·2	220	6·6	230	6·6
24	230	2·0	255	2·6	290	1·6	295	1·6	—	1·0	—	1·0	295	2·3	295	3·3	300	3·0	275	3·6	265	3·0	265	3·0
25	200	2·6	200	2·0	200	3·3	200	2·3	200	3·9	200	3·3	205	4·3	235	4·3	240	5·2	240	3·3	225	6·6	240	4·3
26	225	3·0	225	2·3	225	3·0	225	2·6	225	2·6	225	3·9	240	4·3	250	5·9	250	5·6	260	5·6	260	6·6	260	5·9
27	260	2·6	—	1·3	260	2·0	—	1·3	260	1·6	260	2·0	260	2·3	265	2·6	295	3·0	280	3·3	250	3·3	250	3·0
28	195	4·9	195	4·6	190	4·3	190	3·3	190	4·6	190	4·9	185	5·6	190	5·9	185	5·9	190	6·2	185	6·6	185	6·2
29	245	2·3	245	2·0	245	2·3	245	2·0	245	2·6	240	2·3	240	3·3	235	3·0	230	3·3	215	4·6	210	4·3	220	4·3
30	205	3·0	205	3·6	210	3·6	220	3·9	225	4·3	230	4·6	230	4·6	245	4·9	245	5·6	235	6·9	240	5·2	245	5·2
31	205	4·9	205	4·9	210	4·3	215	4·6	210	4·9	215	5·2	225	5·2	225	5·2	215	6·2	215	6·2	210	5·9	205	4·9
Mean ...	—	2·3	—	2·0	—	2·1	—	2·1	—	2·4	—	2·6	—	2·9	—	3·1	—	3·7	—	4·0	—	4·3	—	4·0

459. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	250	5·2	250	4·3	250	3·3	250	2·3	240	3·3	240	3·0	240	5·2	250	5·2	245	5·2	250	5·2	245	5·6	250	6·6
2	225	1·6	225	2·0	—	1·3	225	2·6	220	2·6	180	2·6	170	3·9	170	4·6	160	6·6	160	7·2	175	8·9	180	8·9
3	215	5·6	215	6·2	220	5·6	220	5·2	220	4·6	225	4·6	225	5·9	235	6·6	240	6·9	240	6·2	235	7·2	250	7·9
4	—	1·3	—	1·3	—	1·0	—	1·0	—	1·3	240	2·0	240	2·3	—	1·0	—	1·3	235	2·0	200	2·0	—	1·0
5	—	0·0	—	0·3	—	0·3	—	0·7	—	0·7	180	1·6	—	1·3	135	2·3	155	4·3	160	5·2	160	5·9	165	4·9
6	180	2·0	—	1·0	180	1·6	—	1·3	—	1·3	180	1·6	180	2·0	245	2·0	260	2·0	250	3·0	245	2·3	240	2·6
7	—	1·0	—	1·3	—	1·0	—	0·7	—	0·7	—	0·3	—	1·3	245	2·6	210	3·3	*220*	*4·3*	*230*	*5·4*	*220*	*5·1*
8	205	1·6	205	1·6	205	2·0	—	1·0	205	1·6	—	1·3	205	2·0	220	2·3	210	2·6	200	2·3	215	3·0	195	3·0
9	—	0·3	—	0·7	—	0·3	—	0·3	—	0·0	—	1·0	—	1·3	—	1·3	230	2·3	215	3·6	220	3·9	230	3·6
10	260	2·0	260	2·0	260	1·6	260	2·0	260	1·6	—	1·0	—	1·3	—	1·3	—	1·3	260	2·0	230	2·0	230	1·6
11	355	2·0	—	1·3	—	1·3	355	1·6	355	1·6	355	2·0	355	2·3	360	2·6	10	2·0	355	2·0	320	2·0	345	2·0
12	—	0·3	—	0·3	—	1·3	—	0·3	—	0·7	—	0·7	—	1·0	50	1·6	120	2·6	125	3·0	130	2·6	130	2·6
13	155	1·6	—	0·7	—	1·0	—	0·7	—	0·3	—	1·0	155	1·6	160	3·0	205	2·6	210	4·3	210	4·9	215	4·9
14	—	0·7	—	0·3	—	0·0	—	0·3	—	0·3	—	0·7	—	0·3	—	0·3	—	0·7	—	0·7	—	1·0	260	1·6
15	210	2·0	270	3·6	340	4·6	330	3·3	320	3·0	325	2·6	325	3·3	325	3·3	330	3·6	335	4·6	340	5·9	330	4·9
16	—	1·0	—	1·0	320	1·6	—	1·0	—	1·3	275	2·0	250	2·0	270	3·6	280	3·6	270	3·9	280	3·6	285	3·9
17	260	2·0	260	1·6	260	2·0	260	2·0	235	3·9	215	5·2	205	5·9	205	6·9	215	8·5	215	7·5	205	6·6	205	7·2
18	225	3·6	225	3·9	225	3·6	225	3·3	225	3·9	225	3·9	225	3·9	230	5·2	245	4·6	250	5·6	250	5·6	240	6·6
19	270	2·3	270	1·6	270	2·0	270	1·6	—	0·7	—	1·0	265	2·0	—	1·0	250	2·3	245	3·3	240	3·6	250	2·6
20	255	2·6	255	2·0	250	3·0	240	2·6	235	3·0	230	3·0	230	3·0	225	3·3	220	2·3	210	4·3	210	4·9	210	3·9
21	200	4·6	200	5·6	200	5·2	200	4·6	190	4·3	190	3·6	190	3·9	185	4·9	200	8·2	200	9·2	205	9·2	200	8·5
22	225	3·6	215	4·6	210	4·9	215	4·3	215	5·6	215	5·2	225	5·9	230	5·6	230	6·2	235	6·6	230	8·2	235	7·5
23	240	3·0	240	2·6	240	2·6	240	1·6	—	1·0	240	1·6	230	3·6	215	5·2	210	6·6	195	7·2	195	7·9	185	6·9
24	105	4·6	180	3·6	195	3·6	200	2·0	200	1·6	—	0·7	—	0·7	—	0·3	—	0·7	—	0·0	—	1·3	—	1·3
25	275	2·6	275	2·3	310	2·6	—	1·3	—	1·3	330	1·6	320	2·3	—	1·3	300	2·0	255	2·3	210	3·3	205	3·9
26	190	5·2	195	5·9	190	6·2	185	6·9	190	6·2	190	4·9	195	5·9	195	5·6	205	6·2	210	7·2	210	6·2	210	4·9
27	195	3·0	195	3·0	195	2·3	195	2·3	195	2·3	195	2·3	210	3·6	230	4·3	235	4·6	235	5·2	230	5·2	235	4·9
28	220	4·3	230	3·9	220	3·9	230	4·6	240	4·6	240	4·3	230	4·9	230	6·2	235	6·9	230	6·2	245	6·6	240	6·9
29	240	2·0	—	1·0	—	0·7	—	0·3	—	0·3	—	1·3	—	1·0	230	2·0	180	1·6	130	2·6	120	4·3	155	6·6
30	205	9·5	260	8·2	250	7·5	240	6·2	240	6·6	235	6·6	240	7·5	250	7·9	240	8·2	250	9·5	235	8·5	240	8·2
31	230	2·3	230	2·0	—	1·3	—	0·7	—	0·7	230	1·6	230	2·3	230	3·3	225	3·6	220	4·3	215	4·9	215	4·3
Mean ...	—	2·7	—	2·6	—	2·5	—	2·2	—	2·3	—	2·4	—	3·0	—	3·4	—	4·0	—	4·5	—	4·9	—	4·8
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	

NOTE.—Values in italics obtained from the Dines Tube Anemograph.

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

July, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
325	3·9	300	3·0	285	3·0	295	3·0	315	2·3	315	2·0	—	1·3	—	1·3	315	2·0	315	1·6	—	1·0	—	0·3	2·1	1
235	2·6	220	3·0	225	3·3	220	3·3	210	3·9	200	3·6	200	3·9	200	3·0	200	2·6	205	2·6	205	2·3	—	1·3	2·1	2
210	5·2	215	4·3	215	4·6	215	4·6	215	4·9	225	3·6	225	3·6	225	3·6	225	3·6	225	2·3	225	3·0	225	2·3	3·3	3
225	4·6	235	3·9	230	5·2	220	4·9	220	4·6	220	3·9	215	3·9	210	2·0	210	1·6	—	1·0	—	1·0	—	0·7	3·5	4
190	3·0	160	2·3	155	2·6	180	1·6	175	2·6	100	5·2	95	5·9	95	4·9	90	4·6	90	4·9	90	4·3	90	4·3	2·3	5
85	6·9	80	7·5	80	7·5	85	7·5	90	6·9	85	6·9	90	6·6	90	4·6	85	5·6	85	4·3	85	3·6	85	3·0	5·1	6
170	3·9	165	4·6	170	3·9	180	3·3	185	4·6	185	3·9	195	3·6	215	3·6	215	2·0	215	2·3	215	2·3	215	1·6	3·1	7
235	3·3	235	3·0	220	2·6	230	2·3	245	2·6	255	3·0	270	1·6	—	1·3	250	2·0	250	1·6	250	1·6	250	2·0	2·5	8
165	2·3	150	2·6	155	3·0	145	3·6	140	3·0	130	3·3	90	5·2	85	5·2	85	5·2	85	4·3	160	2·6	70	3·3	2·3	9
25	3·6	35	3·0	75	5·2	75	3·3	75	3·0	80	2·3	185	2·0	—	1·0	—	1·0	185	1·6	—	0·7	—	1·0	2·6	10
—	1·3	190	1·6	190	1·6	—	1·3	190	1·6	—	1·3	—	1·3	—	1·0	—	0·7	—	1·3	—	0·7	—	0·7	**1·0**	11
85	3·3	100	4·3	95	3·6	85	3·6	85	3·6	85	3·3	85	3·6	85	3·0	85	3·0	85	2·6	85	3·3	85	3·3	2·2	12
135	4·6	160	5·2	165	6·9	170	5·6	180	4·3	180	3·6	185	3·3	190	1·6	190	2·3	—	0·7	—	1·3	—	1·3	3·1	13
250	2·0	220	2·0	205	3·0	210	2·0	—	1·3	—	1·0	—	1·0	—	1·3	210	2·3	—	1·0	—	1·0	—	1·3	1·4	14
220	5·6	225	5·9	240	6·2	245	5·6	260	4·6	230	4·9	230	4·9	235	3·9	230	5·2	225	4·6	225	3·6	225	3·9	3·6	15
260	5·9	265	4·6	265	5·6	260	4·3	275	4·3	265	3·3	270	2·3	270	2·6	270	1·6	270	3·0	270	2·0	270	2·0	3·9	16
250	3·6	200	6·9	200	4·9	215	3·6	215	3·3	225	3·6	240	2·3	215	3·3	215	4·3	230	3·9	255	2·0	220	3·0	3·5	17
255	3·6	260	3·6	265	3·6	270	3·6	270	3·0	270	2·0	—	1·0	—	1·3	270	2·6	270	1·6	270	2·3	—	1·3	2·6	18
240	5·2	235	3·6	230	4·6	225	4·9	220	2·0	210	3·6	205	3·9	205	3·6	205	2·6	210	3·0	210	2·6	210	2·3	2·9	19
250	5·2	255	4·6	250	4·3	250	3·6	235	3·9	235	3·3	240	3·0	240	2·6	240	3·0	240	2·3	240	2·3	245	2·0	3·6	20
245	3·0	235	3·9	255	3·9	250	3·0	255	3·9	255	3·3	260	3·0	260	2·0	260	2·3	260	2·6	260	2·6	260	2·0	3·2	21
235	4·6	245	4·3	250	4·6	240	3·9	240	4·6	225	3·0	225	3·6	230	3·0	230	3·3	230	3·6	235	3·9	240	2·6	3·3	22
240	5·2	240	5·2	235	4·3	220	5·6	235	4·9	235	3·9	215	3·9	215	3·0	215	2·6	220	2·6	220	2·6	230	2·3	4·2	23
255	3·0	240	2·6	255	3·0	255	3·9	255	3·0	255	3·6	240	3·3	240	2·3	210	3·3	200	2·3	200	3·6	200	2·3	2·7	24
245	3·6	245	3·3	210	4·3	205	4·3	210	4·3	215	3·6	225	3·9	215	3·6	215	3·9	225	2·6	225	2·3	225	2·3	3·7	25
265	6·6	270	6·6	275	6·6	280	6·9	275	6·9	270	6·2	275	4·9	265	3·6	255	3·0	260	3·0	260	2·6	260	2·3	4·6	26
260	3·0	230	3·6	235	3·0	240	2·6	225	3·9	230	3·6	225	3·6	225	2·3	210	3·9	210	3·6	205	4·3	200	3·6	2·9	27
180	7·9	200	7·5	210	6·6	205	7·5	210	6·9	230	5·2	240	4·3	245	3·3	245	3·3	245	3·0	245	2·6	245	2·3	5·2	28
225	4·3	220	4·9	220	5·6	230	5·2	240	4·9	240	4·6	245	3·0	—	1·0	215	4·3	210	4·9	210	4·9	205	3·9	3·6	29
220	5·6	205	7·2	205	5·2	205	6·6	205	7·9	205	7·2	195	6·6	200	7·5	195	5·9	200	6·2	200	5·6	200	5·2	**5·5**	30
195	5·2	185	4·6	185	4·9	175	3·6	185	3·6	180	4·9	225	4·9	240	3·0	230	3·9	225	4·6	225	5·6	235	5·2	4·9	31
—	4·3	—	4·3	—	**4·4**	—	4·1	—	4·0	—	3·8	—	3·5	—	2·9	—	3·1	—	2·9	—	2·7	—	2·4	3·2	

August, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
245	5·9	240	6·2	240	5·2	240	5·9	250	4·6	245	4·9	240	2·0	230	2·6	225	2·3	225	1·6	—	1·3	—	1·3	4·2	1
185	8·2	180	9·5	190	8·5	190	8·2	205	8·5	215	7·2	215	6·9	210	7·5	210	6·2	210	5·6	220	5·6	215	5·2	5·7	2
240	8·5	250	6·6	245	7·2	245	7·2	250	6·9	250	5·9	245	4·3	235	2·6	240	3·3	240	2·6	240	2·3	240	2·0	5·6	3
210	2·3	210	2·3	210	2·0	200	2·3	175	3·9	175	4·3	180	3·3	180	1·6	—	0·7	—	0·0	—	0·7	—	0·0	1·7	4
160	4·9	155	5·6	165	5·2	170	4·9	170	4·9	170	4·6	180	2·3	—	1·3	—	1·0	180	2·0	—	1·0	—	1·3	2·7	5
255	3·0	255	3·0	265	3·6	260	3·0	265	3·3	255	2·3	265	1·6	—	1·0	—	1·0	—	0·7	—	1·0	—	1·0	2·0	6
215	*4·7*	*230*	*4·7*	*230*	*4·7*	225	3·9	225	3·3	215	3·6	215	3·6	205	3·9	205	3·6	205	3·3	—	1·3	205	2·0	2·9	7
190	3·0	180	3·0	180	3·3	180	3·3	180	3·3	175	3·3	175	3·3	180	2·3	180	2·3	—	1·3	—	0·7	—	0·7	2·3	8
250	3·9	240	3·9	250	4·3	245	3·3	255	2·6	225	3·6	220	3·9	265	3·3	265	3·6	245	3·0	255	3·0	260	2·0	2·4	9
—	1·3	265	2·0	270	2·6	255	2·0	265	2·0	295	2·0	295	2·0	—	1·0	295	1·6	295	2·0	345	2·6	355	1·6	1·8	10
315	2·0	—	1·3	310	2·0	315	2·0	330	2·3	335	2·3	10	2·0	—	1·3	10	1·6	—	1·3	—	0·3	—	0·3	1·8	11
135	3·0	120	2·9	135	3·3	135	3·9	145	3·9	160	3·6	165	2·3	160	2·0	155	1·6	155	1·6	—	1·0	—	1·0	2·0	12
220	5·2	250	4·9	250	4·3	240	4·6	245	4·9	255	4·3	265	3·3	265	3·6	260	2·3	260	2·0	—	1·3	—	1·0	2·8	13
220	2·0	—	1·3	260	2·0	260	2·0	—	1·3	260	1·6	—	0·7	—	0·7	—	0·7	—	0·7	240	2·0	210	2·3	**1·0**	14
325	4·9	310	5·2	315	5·6	310	4·9	310	5·2	315	5·6	320	3·0	320	3·0	320	3·0	320	2·3	—	1·3	—	1·0	3·8	15
270	3·9	270	4·3	270	3·0	285	2·6	265	3·3	260	2·6	265	1·6	265	2·6	—	1·3	265	2·0	265	1·6	265	2·3	2·5	16
205	8·2	210	8·5	215	7·2	210	7·2	220	4·6	240	4·9	240	5·6	240	3·9	230	4·3	230	4·9	230	4·9	225	3·9	5·3	17
260	3·3	260	3·3	290	3·6	275	4·3	290	4·9	275	2·6	270	2·6	270	1·6	270	2·0	270	2·0	270	2·6	270	2·6	3·7	18
245	2·6	265	3·3	260	3·6	270	3·3	260	2·6	265	1·6	265	2·0	265	2·3	265	2·3	265	2·3	265	2·0	265	2·0	2·3	19
220	4·3	210	4·6	200	5·2	200	3·9	200	4·6	200	4·6	200	2·3	205	2·6	205	3·6	200	3·3	200	3·9	200	3·9	3·5	20
205	8·5	200	8·9	200	8·5	210	5·6	245	5·6	245	4·9	250	3·6	250	2·6	250	2·6	245	3·3	230	4·3	225	3·6	5·6	21
235	7·5	240	7·5	235	8·2	235	8·5	230	7·2	245	5·9	240	5·9	240	4·3	240	3·6	240	2·6	240	2·6	240	3·0	5·6	22
185	6·9	185	7·2	180	5·9	175	3·6	175	4·3	170	4·3	170	5·2	170	4·6	170	4·9	170	4·9	165	5·6	160	4·9	4·6	23
205	2·3	—	1·0	225	1·6	265	2·0	265	3·0	270	2·0	275	1·6	275	2·0	275	1·6	275	2·3	275	2·0	275	2·0	1·9	24
215	4·3	200	4·3	200	4·9	200	5·2	205	5·9	190	5·2	190	5·2	190	4·3	190	5·6	195	5·2	190	4·3	190	4·3	3·5	25
215	3·9	240	3·3	190	6·6	195	7·2	200	7·5	195	6·9	200	4·3	195	4·9	195	5·2	195	3·9	195	4·6	195	2·6	5·5	26
260	5·6	265	4·6	220	5·6	200	3·9	230	3·6	200	3·3	210	4·9	210	5·2	210	4·9	205	5·9	210	5·9	220	4·6	4·2	27
245	7·2	235	7·9	245	8·5	245	7·2	240	5·9	245	5·2	245	4·6	240	2·3	240	2·0	240	2·3	240	2·6	—	1·3	5·1	28
150	4·9	125	6·2	130	6·9	135	7·5	150	8·5	180	9·2	180	8·5	175	8·2	200	9·8	225	8·5	250	10·2	265	9·2	4·9	29
240	8·5	240	8·9	245	7·9	240	6·6	235	5·6	220	4·9	230	4·3	235	2·3	230	3·0	—	1·0	230	2·3	230	1·6	**6·5**	30
210	5·2	205	5·6	215	4·9	220	3·3	225	2·6	205	4·3	195	3·0	—	1·3	—	1·3	—	1·3	—	1·0	195	1·6	2·8	31
—	4·8	—	4·9	—	**5·0**	—	4·6	—	4·5	—	4·2	—	3·5	—	3·0	—	3·0	—	2·8	—	2·8	—	2·5	3·5	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

Directions expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

460. Richmond (Kew Observatory) : (H_a height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·0	195	2·0	195	1·6	—	1·3	—	1·3	—	1·3	—	1·3	195	1·6	200	2·0	230	3·0	240	3·9	215	3·0
2	265	2·3	265	2·6	265	2·6	265	2·3	265	2·3	265	2·3	265	2·3	265	3·0	265	3·9	260	4·3	290	3·9	290	3·0
3	—	0·3	—	1·0	—	0·7	—	0·3	—	0·3	—	0·7	—	0·3	—	1·0	—	1·0	285	2·0	290	2·0	—	1·3
4	—	1·0	—	1·0	240	1·6	—	1·3	240	2·0	240	1·6	225	3·6	205	4·3	195	3·6	195	5·9	200	5·2	200	4·6
5	—	1·3	—	1·0	305	1·6	—	1·3	305	2·0	300	1·6	—	1·3	—	1·3	290	2·0	240	3·9	240	4·9	245	4·6
6	—	1·3	260	2·3	—	1·3	—	0·3	—	1·0	260	2·0	260	2·0	260	1·6	260	2·0	—	1·0	265	2·0	240	1·6
7	230	1·6	—	1·3	230	2·6	230	2·3	230	2·0	230	2·6	230	2·6	230	2·3	230	3·6	235	3·9	240	3·6	265	3·6
8	—	0·3	—	0·3	—	0·0	—	0·3	—	0·7	—	0·3	—	0·7	—	0·3	—	0·0	—	1·0	—	1·0	—	1·3
9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·3	—	0·7	140	1·6	160	2·0	210	4·3
10	—	1·3	—	1·0	—	0·3	—	0·3	—	0·3	—	0·0	—	0·7	—	0·7	—	0·3	—	0·7	235	1·6	290	2·0
11	—	1·0	—	0·0	—	0·3	—	1·3	—	1·0	—	0·3	—	0·7	—	0·3	—	0·7	—	1·3	255	2·3	235	2·0
12	230	3·6	230	2·6	230	3·3	230	4·3	225	3·3	225	3·3	225	3·3	230	4·9	225	5·6	230	5·6	230	5·2	220	4·9
13	—	0·3	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	1·0	—	1·0	—	1·3	215	1·6
14	230	2·0	220	2·6	210	2·6	205	2·6	190	3·6	185	3·3	180	3·0	180	4·3	170	6·6	175	6·6	170	6·9	175	6·9
15	255	2·3	255	2·0	255	1·6	—	1·3	255	1·6	—	1·3	255	1·6	255	2·3	255	2·0	255	2·3	250	2·3	245	2·0
16	200	2·3	200	2·0	—	1·3	200	2·0	200	1·6	—	1·3	200	2·3	200	2·3	210	3·6	230	4·3	240	4·3	230	4·3
17	—	1·0	—	1·3	—	1·0	—	1·3	250	1·6	250	1·6	250	2·0	220	3·0	175	5·6	175	6·9	175	9·2	175	7·5
18	—	1·0	175	2·3	175	3·3	195	4·6	200	3·6	200	3·6	200	4·6	210	4·6	220	5·6	235	5·6	240	5·6	245	4·6
19	220	2·6	220	3·3	220	3·3	220	2·3	220	2·6	220	2·3	220	3·9	220	2·6	230	4·6	230	3·9	230	5·6	225	5·9
20	220	4·6	220	5·2	225	4·9	240	4·3	245	3·6	245	3·6	245	3·6	250	4·6	250	6·6	265	5·6	265	6·6	255	6·6
21	215	3·3	200	3·0	180	1·6	—	1·0	180	2·0	225	3·0	230	3·3	240	4·3	245	5·9	250	6·6	240	6·2	245	6·9
22	260	3·0	230	3·3	230	2·6	225	4·3	220	3·0	215	5·2	210	5·9	210	5·6	215	5·6	215	4·6	215	3·9	230	4·6
23	210	3·5	210	3·0	210	3·6	210	2·3	210	1·6	—	0·7	210	2·6	205	3·0	195	4·9	185	5·6	195	6·6	195	7·9
24	240	3·6	240	3·3	240	2·6	240	2·3	—	1·3	—	1·3	240	2·3	240	2·6	240	3·3	245	3·3	230	3·9	215	3·9
25	160	6·2	170	8·2	170	7·9	185	5·9	200	5·9	195	4·9	195	6·2	195	7·5	210	7·9	215	7·9	215	7·9	210	8·5
26	215	6·2	215	4·3	220	4·3	225	4·3	225	5·2	235	4·3	235	3·9	230	4·3	230	5·2	240	3·9	240	4·9	265	4·6
27	250	1·6	—	1·3	—	1·3	—	1·3	—	1·0	240	2·0	—	1·3	235	1·6	225	3·9	210	3·6	190	5·6	195	4·6
28	200	1·6	—	1·3	—	0·7	—	1·3	200	1·6	200	2·3	200	2·6	200	3·9	205	4·6	215	5·2	210	4·3	220	4·3
29	225	2·3	225	1·6	225	1·6	—	1·3	—	1·3	—	1·0	—	1·0	225	2·0	225	2·0	225	2·0	225	2·0	225	2·0
30	—	1·3	—	1·3	—	1·0	—	1·0	—	1·0	—	1·3	225	1·6	—	1·0	225	2·0	225	2·0	225	3·0	225	2·3
Mean ...	—	2·1	—	2·2	—	2·1	—	2·0	—	1·9	—	2·0	—	2·4	—	2·7	—	3·5	—	3·8	—	4·3	—	4·2

461. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·0	—	1·0	—	1·3	—	0·7	—	1·0	185	1·6	185	2·0	200	2·3	260	2·6	255	2·3	240	2·6	240	2·3
2	—	1·3	—	1·3	—	0·7	—	1·3	255	2·3	255	2·3	255	2·3	245	3·3	245	3·9	240	5·2	235	4·6	225	3·3
3	340	1·6	340	1·6	340	1·6	—	1·3	—	1·3	—	1·3	—	1·3	—	1·0	330	2·3	225	2·3	190	3·0	125	4·3
4	330	7·5	325	6·6	330	6·9	330	6·2	330	7·9	330	6·6	335	6·9	330	6·9	340	8·2	345	10·2	345	10·5	350	9·2
5	350	2·6	350	1·6	—	0·7	—	1·3	—	1·3	—	1·0	—	1·0	—	1·3	—	1·3	345	1·6	330	2·3	275	2·6
6	240	2·3	235	3·3	230	2·3	230	2·6	230	2·6	230	2·6	230	2·3	—	1·0	235	2·6	250	3·3	260	3·9	275	4·9
7	250	1·6	250	1·6	250	2·0	250	2·3	250	2·3	250	2·3	250	2·6	250	2·0	250	3·0	225	4·9	225	4·9	230	5·2
8	205	2·3	215	2·3	220	2·0	220	1·6	—	1·0	—	1·3	220	2·6	225	3·0	245	3·9	260	4·9	270	4·3	270	4·3
9	210	6·2	220	6·2	220	4·9	220	5·2	225	5·6	215	4·9	225	5·6	230	6·6	230	6·2	240	7·2	240	7·9	240	8·2
10	225	3·3	225	2·6	225	3·6	215	4·3	205	3·9	205	4·3	205	3·3	205	3·0	205	3·0	205	4·9	205	4·3	205	3·9
11	270	3·6	260	3·6	250	3·0	250	2·3	250	3·0	250	3·6	240	3·0	240	2·3	240	2·6	240	3·0	235	3·3	235	3·3
12	—	1·3	—	0·7	—	1·0	—	1·3	225	1·6	—	1·3	225	1·6	165	2·6	120	3·9	180	8·9	185	9·5	190	9·5
13	235	3·0	230	3·6	220	4·3	215	5·2	205	6·9	205	5·2	215	5·2	220	6·6	225	5·9	230	6·2	240	6·2	235	5·6
14	255	2·0	255	1·6	255	2·0	255	2·0	—	1·3	255	1·6	255	2·6	255	1·6	—	1·3	255	3·0	255	3·0	245	3·0
15	—	1·3	270	1·6	—	1·3	—	1·3	—	1·0	—	1·3	—	1·0	—	0·7	—	1·3	265	1·6	260	2·6	250	3·0
16	240	1·6	240	1·6	240	2·0	240	1·6	240	2·0	240	2·3	240	3·0	240	3·0	240	2·3	240	4·3	240	5·2	245	4·6
17	250	1·6	250	2·0	—	1·3	—	1·3	250	2·0	250	2·3	250	2·3	250	2·3	250	2·3	240	4·6	255	3·6	250	3·0
18	230	1·6	—	1·3	—	1·0	—	0·7	—	1·0	—	1·0	200	2·0	185	2·3	180	3·6	165	4·3	155	3·9	150	3·9
19	160	3·6	160	3·9	160	4·9	160	4·3	170	5·9	180	6·6	190	7·2	200	7·5	195	7·2	200	8·5	200	8·9	205	6·6
20	—	0·3	—	0·7	—	0·3	—	1·0	—	1·3	—	0·3	—	1·0	—	1·3	245	1·6	245	2·0	235	3·0	215	4·3
21	180	4·6	180	5·2	175	6·6	175	7·5	175	8·9	180	8·5	200	9·2	195	5·6	195	8·2	190	6·9	195	8·2	195	7·2
22	205	5·6	205	4·9	205	4·6	205	4·6	205	5·6	205	5·6	205	5·9	205	6·2	215	7·2	225	9·2	220	7·9	235	8·2
23	215	4·9	215	4·3	210	5·9	205	4·6	205	2·3	195	4·6	190	4·6	190	3·9	170	4·9	180	4·9	185	7·3	185	6·6
24	215	5·6	210	3·6	210	3·6	210	3·6	210	3·3	—	1·3	210	3·9	210	5·2	215	6·6	220	6·2	225	7·5	225	6·9
25	215	6·2	210	4·9	210	5·9	210	5·9	210	5·9	210	6·9	210	6·6	215	7·2	215	7·2	215	8·5	230	7·9	220	7·9
26	210	3·0	200	3·9	185	4·9	175	7·2	170	9·2	175	10·2	195	7·5	185	6·2	205	6·2	220	8·5	220	8·5	215	8·5
27	155	6·6	165	8·2	170	10·5	165	9·5	160	10·2	165	9·8	170	8·9	200	6·2	170	5·6	165	7·9	175	9·2	190	6·9
28	175	4·6	175	4·3	175	3·9	175	3·9	175	4·3	175	4·3	175	3·6	175	3·6	175	4·6	185	6·6	190	7·5	195	6·9
29	220	3·3	220	2·6	220	2·6	220	2·0	220	2·3	220	4·3	220	3·9	220	3·9	220	4·6	210	4·9	200	5·9	200	4·9
30	190	8·2	195	6·9	200	6·9	195	6·9	190	6·6	190	5·9	190	6·2	190	6·2	190	6·2	195	4·9	195	6·6	190	6·2
31	220	1·6	—	1·3	220	1·6	220	2·0	220	1·6	—	1·0	220	1·6	—	1·0	—	1·3	225	1·6	225	1·6	—	1·3
Mean ...	—	3·3	—	3·2	—	3·4	—	3·4	—	3·7	—	3·7	—	3·9	—	3·7	—	4·3	—	5·3	—	5·7	—	5·4

G.M.T.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Noon.

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

September, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.		
205	4·6	240	3·3	255	4·3	245	4·3	265	4·9	265	2·6	265	3·0	265	3·3	265	3·0	265	3·3	265	2·6	265	2·0	2·7	1
290	3·3	290	2·3	280	3·0	280	2·3	280	2·6	—	1·0	—	0·3	—	0·7	—	0·7	—	0·3	—	0·3	—	0·3	2·2	2
265	1·6	245	2·6	245	2·0	245	2·6	240	1·6	—	0·7	—	0·3	240	2·0	—	1·3	—	0·7	—	1·3	—	0·7	1·2	3
205	4·3	205	2·3	205	2·3	210	1·6	—	1·3	—	1·3	305	2·0	—	1·3	—	1·0	—	1·0	—	1·3	—	1·3	2·3	4
235	5·6	240	5·2	250	5·6	250	4·6	260	4·3	260	3·3	260	1·6	260	2·3	260	2·3	—	1·3	260	2·0	—	1·3	2·8	5
200	2·0	—	1·3	—	1·3	200	2·0	205	1·6	230	2·0	230	2·0	230	2·0	230	2·3	230	2·0	230	2·6	—	1·3	1·7	6
265	3·6	255	3·0	255	3·3	255	3·0	290	3·0	335	3·0	340	3·0	340	2·6	340	3·0	340	1·6	340	1·6	340	1·6	2·7	7
200	1·6	200	1·6	145	1·6	145	2·0	145	2·0	—	1·3	145	2·6	145	1·6	—	0·7	—	0·0	—	0·3	—	0·3	**0·9**	8
200	3·9	205	3·9	205	4·3	200	3·9	200	3·6	200	2·3	200	2·0	200	2·3	—	1·3	—	0·3	—	0·7	—	1·3	1·6	9
290	2·0	300	2·3	340	2·3	360	2·6	360	3·3	10	3·6	10	3·3	15	3·3	45	3·3	55	2·6	55	2·0	—	1·3	1·7	10
215	2·6	215	3·0	240	3·9	230	4·6	245	4·3	260	2·6	250	2·6	240	3·6	230	3·3	230	2·6	230	2·6	230	2·3	2·0	11
235	4·9	245	4·6	250	3·9	255	3·6	265	4·6	265	2·3	270	2·3	275	2·0	—	1·0	—	1·0	—	0·7	—	1·0	3·4	12
190	3·3	195	3·0	190	3·6	185	3·3	185	3·9	185	3·3	185	3·3	195	3·3	205	4·3	235	4·3	230	3·3	230	2·0	2·0	13
170	6·6	170	7·2	170	6·9	170	6·2	170	4·6	175	2·6	195	3·3	180	2·3	150	3·3	145	2·6	145	1·6	205	2·6	4·2	14
240	3·6	205	5·9	200	3·3	200	2·3	200	2·3	200	2·3	200	1·6	200	3·0	200	2·6	200	2·0	200	2·3	200	2·6	2·3	15
235	4·9	230	4·3	225	5·2	225	4·6	230	3·3	250	2·0	—	1·0	250	1·6	250	1·6	250	2·3	250	1·6	—	1·3	2·7	16
175	8·2	180	7·5	175	8·2	180	6·2	175	5·6	175	3·0	175	2·3	175	2·0	—	1·3	175	1·6	—	1·3	175	1·6	3·8	17
220	5·9	220	5·9	220	5·9	215	5·6	220	5·6	220	3·0	220	3·3	220	3·6	220	3·0	220	3·3	220	3·0	220	2·6	4·1	18
220	5·2	220	5·9	225	4·6	220	4·6	220	4·9	220	4·3	220	3·6	220	3·6	220	4·6	220	3·9	220	4·6	220	4·6	4·0	19
250	5·9	260	6·2	260	6·9	255	5·9	255	6·2	250	4·6	240	4·6	240	4·6	245	3·9	240	3·3	230	4·3	220	4·3	5·0	20
255	6·2	280	6·9	290	6·2	300	3·9	290	4·9	290	3·0	290	3·0	290	2·0	290	2·6	270	2·3	—	1·3	—	1·3	3·8	21
230	4·9	245	3·6	230	4·3	210	3·9	210	3·9	210	3·3	210	2·6	210	3·3	210	3·9	210	4·6	210	3·3	210	2·6	4·0	22
190	8·5	200	8·9	200	8·5	215	6·2	220	5·9	240	4·9	235	4·9	230	3·9	230	4·6	225	4·3	235	3·9	240	3·9	4·6	23
215	4·3	210	4·9	200	5·9	195	5·6	195	3·3	195	3·0	195	2·3	190	2·0	165	3·6	165	2·6	165	4·6	160	4·9	3·3	24
205	8·2	205	8·9	205	8·2	205	7·9	210	7·9	210	7·2	210	8·2	210	7·9	215	7·5	215	6·9	210	7·5	210	5·9	**7·4**	25
260	4·6	255	3·3	250	4·3	250	3·0	250	2·0	250	1·6	250	1·6	—	1·0	—	1·3	—	1·3	—	1·0	—	1·3	3·5	26
205	4·9	205	5·6	195	5·6	200	4·3	200	3·9	200	3·3	200	3·6	200	3·0	200	3·3	200	2·3	200	2·0	200	2·0	3·0	27
225	4·3	225	2·3	225	2·3	—	1·0	225	1·6	—	1·3	225	1·6	225	1·6	225	2·0	225	1·6	225	1·6	—	1·3	2·4	28
225	1·6	—	1·3	—	1·3	—	0·7	—	0·3	—	0·7	—	0·7	—	0·7	—	1·0	—	0·7	—	1·3	—	1·0	1·3	29
225	3·0	215	2·3	200	2·3	180	3·0	185	3·0	—	1·3	—	0·3	—	0·3	—	0·0	—	0·3	—	0·0	—	0·3	1·5	30
—	**4·5**	—	4·3	—	4·4	—	3·8	—	3·7	—	2·7	—	2·6	—	2·6	—	2·6	—	2·2	—	2·2	—	2·0	2·9	Mean

October, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
235	2·6	235	2·3	235	2·6	250	3·3	250	2·6	250	2·0	—	1·0	—	1·3	250	2·0	—	1·3	—	1·0	255	2·0	1·8	1
225	4·3	225	3·9	235	3·6	235	2·6	235	2·6	235	2·0	325	2·6	340	2·3	340	1·6	—	1·3	340	1·6	340	1·6	2·6	2
80	7·5	45	7·5	25	6·9	10	6·6	360	3·9	350	4·6	335	4·6	335	5·2	325	6·6	325	5·9	330	6·2	325	6·2	3·8	3
350	8·9	350	7·9	340	8·2	345	6·6	340	5·9	345	3·3	345	3·6	345	2·6	345	2·0	350	1·6	—	1·3	350	1·6	6·2	4
270	3·0	265	2·6	240	3·0	240	2·3	240	2·0	240	1·6	240	1·6	240	2·0	240	2·0	240	2·0	240	1·6	—	1·3	1·8	5
265	3·9	255	3·9	245	4·3	255	3·9	250	3·6	250	2·0	250	2·6	250	2·0	250	2·3	250	1·6	250	1·6	250	1·6	2·8	6
220	5·2	215	3·6	220	3·9	220	4·3	215	4·3	215	4·3	205	5·2	210	6·2	205	4·6	205	3·6	205	3·9	205	3·3	3·6	7
265	4·6	265	3·9	265	2·3	—	1·3	265	2·0	240	2·3	240	2·6	230	2·6	215	3·9	200	4·6	195	5·9	195	5·9	3·1	8
265	7·2	260	6·6	250	5·2	240	4·9	235	5·6	235	4·6	235	3·3	235	3·6	235	4·3	230	3·6	230	4·3	230	3·6	5·5	9
200	3·9	200	5·2	210	7·2	210	6·2	215	7·9	210	6·2	210	7·5	215	6·6	225	6·9	240	6·9	265	5·2	270	4·3	4·9	10
225	3·6	225	3·0	225	3·0	225	2·6	225	2·6	—	1·3	225	1·6	225	1·6	—	1·3	—	0·7	—	1·0	—	0·7	2·6	11
180	8·9	185	8·9	290	4·6	290	2·6	295	1·6	—	1·3	280	1·6	270	2·3	255	3·3	255	2·0	255	2·3	240	2·6	3·5	12
260	5·9	260	6·2	260	5·2	255	3·6	255	2·6	255	2·6	255	2·0	255	2·0	255	2·0	—	1·3	255	2·3	255	2·3	4·3	13
275	2·3	275	3·6	260	2·6	265	3·3	270	2·6	—	1·3	—	1·3	—	1·0	—	1·3	—	0·7	—	1·0	—	1·0	2·0	14
250	3·6	235	3·0	235	2·6	240	2·0	—	1·3	—	1·0	240	1·6	—	1·3	—	1·3	—	1·0	240	1·6	—	1·0	1·6	15
240	4·6	255	4·6	255	3·3	250	3·3	250	2·6	250	2·0	250	2·6	250	2·3	250	2·0	250	2·3	250	2·0	250	2·3	2·8	16
250	2·6	225	3·0	230	2·3	230	2·0	230	1·6	230	2·3	230	1·6	—	0·3	—	0·3	—	0·7	—	1·0	—	1·0	2·0	17
145	6·6	160	5·2	165	5·2	160	3·9	160	4·3	160	3·0	160	3·0	160	3·0	160	3·0	160	3·0	160	2·6	160	3·6	3·0	18
240	4·3	255	2·6	235	3·3	235	2·0	—	1·0	—	1·3	235	1·6	245	1·6	—	0·7	—	0·7	—	1·0	—	0·0	4·0	19
215	4·3	215	3·9	200	5·6	185	3·6	185	3·6	185	3·6	185	3·6	185	3·3	185	3·6	185	2·3	185	3·9	185	3·6	2·5	20
200	5·2	200	6·2	210	5·2	205	6·2	215	8·2	230	4·3	230	4·9	230	4·3	225	4·9	220	4·9	215	5·2	215	4·9	6·3	21
215	7·5	235	7·5	220	5·9	225	4·9	225	5·6	225	3·6	225	4·9	220	4·3	220	5·2	220	5·6	220	5·6	215	5·2	5·9	22
195	9·2	195	7·2	210	6·9	210	6·9	210	7·2	220	5·2	220	5·2	220	5·6	220	5·9	220	4·6	215	4·9	215	3·0	5·5	23
220	8·2	215	7·5	195	8·2	200	6·6	205	4·6	205	5·2	200	4·6	200	4·9	200	6·2	200	4·9	200	5·2	205	6·2	5·3	24
225	7·2	220	7·5	220	8·2	225	4·6	215	6·6	210	5·6	220	6·2	220	4·9	215	4·3	210	3·0	210	2·6	210	2·6	6·1	25
215	8·2	225	8·5	225	7·2	210	5·9	205	6·6	200	5·6	200	3·6	185	4·3	175	6·2	180	6·6	170	8·5	160	6·9	6·7	26
180	7·5	180	8·5	180	9·5	175	7·9	180	8·9	180	7·9	175	8·5	180	8·5	180	9·8	180	7·2	180	8·2	175	4·6	**8·2**	27
205	7·5	210	5·6	215	3·6	225	3·6	240	2·6	240	2·6	225	3·9	220	3·6	220	3·6	220	3·3	220	2·6	220	3·3	4·4	28
200	7·9	200	7·2	200	7·2	200	6·9	185	5·9	180	5·6	180	6·6	185	6·2	185	6·2	185	6·6	190	7·9	190	6·9	5·2	29
195	6·9	195	7·9	190	6·9	195	7·9	195	6·6	190	6·6	185	6·2	190	5·2	190	5·6	190	4·9	220	1·6	—	1·3	6·2	30
225	1·6	—	1·0	—	1·3	—	1·0	—	1·0	—	0·3	—	0·0	—	0·0	—	0·3	—	0·3	—	0·0	—	0·3	**1·0**	31
—	5·6	—	5·3	—	5·0	—	4·3	—	4·1	—	3·4	—	3·5	—	3·4	—	3·7	—	3·2	—	3·3	—	**3·1**	4·0	

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.

Direction expressed in degrees from North (E = 90°, S = 180°, W = 270°, N = 360°) : Speed in metres per second.

462. Richmond (Kew Observatory) : H_a (height of cups of anemograph above M.S.L.) = Height of ground above

Day.	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		Noon.	
	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	0·3	—	0·0	—	0·3	—	0·0	—	0·0	—	0·3	—	0·3	—	1·0	—	0·7	—	0·7	—	1·0	—	1·3
2	—	1·3	225	1·6	225	2·0	—	1·3	225	1·6	—	1·3	—	0·7	—	0·3	—	1·0	—	0·3	—	1·1	230	2·2
3	205	5·7	200	7·0	200	7·9	195	7·9	205	6·8	215	6·5	215	6·5	220	7·0	225	7·0	210	6·8	210	7·3	215	7·3
4	225	3·9	225	3·9	220	4·6	220	4·9	215	4·6	215	4·3	215	4·9	220	5·6	225	5·6	230	7·2	230	6·6	235	6·9
5	220	3·3	220	2·6	220	3·3	220	2·3	220	3·0	220	2·6	220	2·6	220	2·0	220	2·6	215	2·0	215	2·3	215	2·3
6	250	2·0	250	1·6	250	2·0	250	1·6	—	1·3	—	0·7	—	1·0	—	1·0	—	1·0	—	1·0	—	1·3	270	2·3
7	290	2·0	290	2·3	—	1·3	290	2·0	—	1·3	290	1·6	290	1·6	—	1·3	290	2·0	295	2·0	265	3·6	265	3·6
8	—	0·3	—	0·0	—	0·3	—	0·0	—	0·7	—	0·3	—	0·3	—	0·3	—	0·3	—	0·3	—	0·7	—	1·0
9	—	0·3	—	0·7	—	0·3	265	2·0	265	2·3	265	2·3	265	2·6	265	2·3	—	1·0	—	1·3	—	1·0	—	1·0
10	10	5·6	15	6·2	15	5·9	10	4·6	10	5·2	5	4·9	360	5·6	5	5·6	10	6·9	15	5·9	15	7·5	20	8·2
11	5	4·3	5	3·6	5	3·6	5	3·9	5	2·6	5	1·6	5	2·0	5	2·0	5	1·6	360	2·0	360	3·6	360	3·0
12	—	1·3	360	1·6	—	1·0	—	1·0	—	0·3	—	1·0	—	1·0	—	0·3	—	1·0	—	1·0	360	2·0	290	3·3
13	190	4·3	190	5·6	190	4·3	190	5·2	190	7·9	190	7·2	190	10·2	185	8·9	190	10·8	190	9·5	195	10·8	195	11·1
14	170	11·5	175	10·8	180	11·5	210	5·9	210	5·6	220	4·6	255	5·9	270	4·9	260	4·9	260	5·6	265	7·9	265	6·9
15	230	2·0	230	1·6	230	2·0	—	1·0	—	1·3	—	1·3	190	3·0	170	3·0	165	5·2	160	10·2	165	10·8	175	11·8
16	230	8·5	240	6·9	235	7·2	240	6·2	235	4·9	235	3·3	235	3·0	220	3·0	210	3·9	205	3·9	215	5·2	215	6·9
17	185	6·2	185	6·2	180	7·2	185	8·9	190	7·5	155	5·9	235	4·3	210	4·9	210	5·6	220	7·5	225	7·5	225	7·2
18	220	3·6	220	2·6	220	2·3	—	1·0	220	2·0	220	2·0	—	1·0	—	1·3	—	1·3	225	3·0	225	3·0	240	3·6
19	235	2·6	235	2·3	235	3·3	240	4·3	240	3·6	240	3·6	245	3·9	245	3·9	250	3·3	250	4·3	270	4·9	285	4·6
20	290	2·0	—	1·3	—	1·3	290	1·6	290	1·6	255	2·0	250	2·0	250	2·6	250	1·6	260	2·0	275	3·0	275	3·3
21	—	1·3	—	1·0	305	2·0	305	2·0	325	3·0	325	2·6	325	1·6	325	1·6	325	2·6	330	3·6	330	3·0	355	3·3
22	—	1·3	355	1·6	—	1·0	355	1·6	—	1·3	355	2·0	355	2·0	—	1·3	355	1·6	355	2·0	355	3·0	355	3·0
23	355	2·3	—	0·7	355	1·6	355	2·0	355	2·3	355	2·0	—	1·3	355	1·6	355	2·3	355	2·6	355	1·6	—	1·3
24	360	2·0	360	2·3	360	1·6	360	1·6	—	1·3	—	1·3	—	1·3	360	2·0	360	2·0	360	2·3	360	2·0	360	1·6
25	—	0·7	—	1·3	—	0·7	—	1·3	—	1·0	—	1·3	—	1·3	—	1·0	—	1·0	360	1·6	—	1·3	—	1·0
26	—	0·3	—	0·3	—	0·3	—	0·0	—	0·7	—	0·3	—	1·0	—	1·0	—	1·0	—	0·3	—	0·3	—	0·0
27	—	1·0	—	0·7	—	0·3	—	1·0	—	0·3	—	0·7	—	0·0	—	0·3	—	0·7	—	0·0	—	0·0	—	1·0
28	85	6·2	85	5·9	85	6·6	80	5·6	75	5·6	70	5·9	65	5·9	65	4·6	60	5·9	55	5·6	55	4·9	50	4·3
29	—	0·3	—	0·7	—	0·7	—	1·0	—	1·0	—	0·7	—	0·3	—	1·0	30	1·6	35	2·6	35	2·6	35	3·0
30	20	3·6	20	2·3	—	1·3	—	1·3	20	1·6	20	1·6	20	1·6	20	2·6	20	2·0	—	1·3	10	1·6	10	1·6
Mean ...	—	3·0	—	2·8	—	2·9	—	2·8	—	2·7	—	2·5	—	2·6	—	2·6	—	2·9	—	3·3	—	3·7	—	3·9

463. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres.

	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.
1	—	1·0	—	0·7	—	0·0	—	0·7	—	1·0	—	1·3	—	1·3	180	2·0	180	2·6	180	3·0	180	4·9	180	4·6
2	170	7·9	170	8·5	175	7·9	175	9·2	175	9·5	180	8·2	180	8·2	175	7·5	175	5·9	170	5·2	170	3·3	170	3·0
3	—	0·7	—	1·0	—	1·3	—	1·3	—	1·3	—	1·0	—	1·3	—	1·0	—	1·3	—	1·3	—	1·3	—	1·3
4	—	1·3	—	0·7	—	0·3	235	2·0	195	3·0	180	3·6	180	4·6	180	3·6	165	5·2	165	7·9	170	8·2	175	7·2
5	—	1·0	—	0·7	—	0·3	—	0·7	—	1·0	—	1·3	—	1·3	—	0·7	—	1·3	—	1·3	250	1·6	250	3·0
6	15	3·3	10	4·3	10	5·2	10	4·6	10	3·6	10	3·3	10	3·3	10	3·6	10	3·3	360	4·9	360	3·3	360	3·3
7	—	0·7	—	1·0	—	0·3	—	0·7	—	0·3	—	0·7	—	1·0	360	1·6	360	1·3	90	2·6	175	3·3	175	4·9
8	190	7·5	200	6·6	200	5·9	210	5·6	210	6·9	210	6·2	210	5·6	220	4·3	220	2·6	230	2·6	230	3·6	230	2·0
9	270	2·0	270	2·3	270	1·6	—	1·3	275	1·6	275	2·0	315	4·3	320	2·6	320	2·6	—	1·3	320	1·6	320	1·6
10	—	0·3	—	0·3	—	0·3	—	0·3	—	0·7	—	1·0	—	1·0	320	1·6	—	1·3	320	2·0	255	2·3	235	3·6
11	235	2·0	—	1·3	—	1·3	235	1·6	235	2·0	235	1·6	—	1·3	235	1·6	—	1·3	230	2·3	230	3·3	230	2·0
12	—	1·0	—	0·7	230	1·6	230	2·0	—	1·3	—	1·0	230	2·0	230	1·6	230	2·3	230	1·6	230	2·0	230	2·3
13	230	1·6	—	1·0	—	0·7	—	0·7	—	1·0	230	2·3	230	1·6	—	1·3	230	1·6	225	1·6	225	3·0	225	2·3
14	—	1·3	—	1·0	350	2·3	350	1·6	350	2·0	—	1·0	350	2·0	350	1·6	350	2·0	—	1·3	260	1·6	—	1·0
15	245	3·6	245	2·3	245	1·6	270	3·0	310	4·9	315	4·3	315	3·6	315	3·3	315	2·6	310	3·6	310	4·3	310	3·9
16	315	2·0	315	2·0	315	2·3	315	2·0	315	2·0	315	2·6	315	2·6	285	3·6	240	3·6	240	5·2	255	4·9	260	4·6
17	265	2·3	265	2·3	265	2·0	—	1·3	265	3·0	265	2·3	265	3·0	265	1·6	265	2·6	240	3·9	240	4·6	245	3·9
18	225	4·3	225	3·6	225	3·6	225	3·6	225	3·9	225	3·6	225	2·6	225	2·0	230	3·0	285	5·9	285	7·5	300	6·2
19	285	3·0	285	3·6	285	3·9	285	3·3	275	3·3	275	3·3	275	3·6	280	3·3	290	3·6	310	3·6	315	5·2	315	4·3
20	320	5·2	325	5·9	330	7·2	335	6·2	335	6·2	340	5·6	340	5·6	345	5·9	345	5·6	345	9·2	350	7·2	345	6·9
21	315	5·2	315	4·9	315	3·0	315	2·6	315	3·0	315	2·3	315	3·0	315	2·6	315	3·0	315	3·0	315	4·3	315	3·3
22	—	1·0	—	1·0	—	1·3	315	1·6	—	1·3	315	2·6	315	2·3	245	3·6	235	2·6	240	3·6	240	3·9	265	5·2
23	300	3·0	300	2·6	300	2·3	300	2·6	300	1·6	300	3·3	300	7·9	310	7·5	310	7·9	300	7·2	305	9·8	310	8·2
24	285	3·9	275	3·3	275	3·3	255	3·0	255	2·6	255	3·3	255	3·6	260	4·6	260	3·0	240	3·3	240	2·6	240	2·3
25	—	0·3	—	0·7	—	0·7	—	0·3	350	1·6	—	1·0	350	1·6	—	1·3	—	1·0	—	1·0	—	1·0	350	1·6
26	235	3·9	235	3·3	235	3·9	270	5·9	285	5·9	280	4·6	260	5·2	265	5·2	270	4·3	360	4·6	345	3·9	350	4·9
27	355	2·3	355	2·6	355	2·0	—	1·0	—	1·0	—	0·3	355	1·6	355	1·6	355	2·0	350	3·3	350	1·6	—	0·3
28	210	5·2	210	5·6	210	3·0	210	2·6	210	2·3	240	3·0	295	6·6	345	9·2	350	8·9	345	6·9	345	6·9	335	6·6
29	345	2·3	345	1·6	—	1·0	—	1·3	—	1·3	—	1·0	—	1·3	345	1·6	345	1·6	350	2·0	—	1·3	—	1·3
30	—	1·0	350	2·0	350	2·6	350	1·6	—	1·0	—	1·0	350	1·6	—	1·3	—	1·3	—	1·3	—	1·3	355	2·3
31	60	3·0	60	3·3	60	2·6	60	2·3	60	2·6	60	2·6	—	1·3	60	1·6	—	1·0	—	0·7	70	1·6	70	2·0
Mean ...	—	2·7	—	2·6	—	2·4	—	2·5	—	2·7	—	2·6	—	3·1	—	3·1	—	3·0	—	3·5	—	3·7	—	3·5
G.M.T.	1.		2.		3.		4.		5.		6.		7.		8		9.		10.		11.		Noon.	

Averages for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

M.S.L. + h_a (height of anemograph above ground) = 5 metres + 20 metres.

November, 1923.

13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		Mean	Day.
°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
225	2·0	225	2·0	—	1·3	—	1·0	—	1·3	225	1·6	—	0·7	—	1·0	—	1·0	—	1·0	—	1·0	—	1·3	0·9	1
250	2·2	250	2·5	265	2·5	270	2·2	260	1·8	260	1·8	260	2·2	250	2·5	240	2·2	240	2·9	230	3·6	210	4·7	1·8	2
220	8·2	210	7·2	210	6·9	215	7·2	215	6·9	230	6·9	235	5·6	240	5·9	235	4·9	245	5·2	235	3·3	230	4·3	6·5	3
240	7·9	230	6·9	235	6·9	230	5·2	215	4·3	210	4·6	210	5·2	215	4·9	215	3·6	220	3·3	220	4·6	220	3·3	5·2	4
215	2·0	215	1·6	200	2·3	165	3·0	165	3·0	—	1·3	225	2·0	—	0·7	—	0·7	—	1·0	250	1·6	250	1·6	2·2	5
290	3·3	290	2·3	290	3·0	290	2·0	290	1·6	—	0·7	—	0·7	—	1·0	—	0·3	—	1·3	—	1·3	290	1·6	1·5	6
260	3·6	270	3·0	280	3·3	270	2·0	—	1·0	—	1·3	—	1·0	—	1·3	—	1·0	—	0·0	—	0·0	—	0·0	1·8	7
210	3·3	180	4·6	175	4·6	175	2·6	175	2·3	175	2·3	175	3·3	175	2·3	175	2·0	195	2·3	265	1·6	—	0·7	1·5	8
—	1·0	—	0·7	—	0·3	265	2·0	5	3·6	10	3·9	15	5·6	65	8·5	50	5·2	45	4·3	40	4·9	30	4·6	2·5	9
20	8·2	20	7·2	25	7·2	15	6·6	15	6·6	10	5·2	15	5·9	15	5·2	15	4·9	15	4·6	15	4·6	15	4·9	6·0	10
360	3·6	360	2·3	360	2·3	—	1·3	—	1·0	—	1·0	—	0·7	—	0·7	—	1·0	—	1·0	—	0·7	—	0·0	2·2	11
200	5·6	190	4·3	190	3·6	190	2·6	190	3·6	190	3·3	190	2·3	190	2·6	190	3·6	190	4·3	190	4·3	190	2·6	2·3	12
195	12·1	195	10·2	190	10·8	190	9·8	190	10·5	190	10·2	185	11·8	185	10·5	185	10·8	180	9·8	180	11·1	180	11·1	**9·2**	13
255	7·5	260	5·9	265	5·2	275	3·3	270	3·3	270	2·6	255	3·0	235	3·0	230	2·6	230	3·9	230	2·0	—	1·3	5·6	14
190	11·1	210	7·5	205	8·2	205	8·2	200	8·2	200	8·2	205	9·2	205	9·5	210	10·8	215	9·8	230	10·2	235	9·8	6·7	15
220	6·2	230	5·2	230	4·3	220	5·9	210	4·9	210	4·9	205	3·6	200	4·9	200	4·9	195	5·2	190	4·6	195	4·6	5·2	16
235	8·2	245	7·2	250	5·6	230	4·3	220	4·3	220	4·6	220	4·6	220	4·6	215	5·2	220	3·9	220	4·6	220	4·3	5·9	17
250	4·6	250	5·6	230	4·3	220	3·3	220	3·3	235	4·6	235	3·3	235	2·3	235	2·6	235	2·6	235	2·6	235	2·6	2·9	18
285	5·9	285	4·3	285	3·9	290	3·0	290	2·6	290	2·0	290	2·3	290	2·0	290	1·6	290	1·6	290	2·0	290	2·0	3·3	19
280	2·6	285	3·3	290	2·3	—	1·3	—	1·0	—	0·7	—	0·7	—	0·7	—	1·0	280	1·6	300	1·6	305	2·0	1·8	20
355	3·0	355	2·6	355	1·6	355	1·6	—	1·0	—	1·3	355	2·0	—	0·7	—	1·3	355	1·6	355	2·0	355	2·0	2·0	21
355	2·3	355	2·3	355	1·6	355	1·6	—	1·3	355	1·6	355	2·0	355	2·0	—	1·0	—	1·3	355	2·0	355	1·6	1·8	22
355	2·0	360	3·0	360	2·6	360	1·6	360	2·0	360	2·0	360	2·0	360	2·6	360	1·6	—	1·3	360	3·3	—	1·0	2·0	23
360	2·0	360	1·6	360	1·6	360	1·6	—	1·0	—	1·0	—	1·0	—	1·0	—	0·7	—	1·0	—	1·0	—	1·0	1·5	24
—	1·3	—	1·3	—	1·3	—	1·0	—	1·0	—	0·7	—	1·0	—	0·7	—	0·7	—	0·7	—	0·3	—	0·3	1·0	25
—	0·3	—	0·0	—	0·0	—	0·3	360	1·6	—	1·0	—	0·7	—	0·7	—	1·0	—	1·0	—	0·7	—	1·0	**0·6**	26
—	1·3	—	1·0	90	3·6	90	3·3	90	4·3	90	4·6	90	4·3	90	4·6	85	5·6	85	5·6	85	4·6	85	3·9	2·1	27
50	4·6	50	3·9	50	4·3	30	3·3	30	2·0	30	1·6	—	1·3	—	1·3	—	0·7	—	1·0	—	0·7	—	1·3	3·9	28
35	3·9	30	3·6	25	4·3	20	3·6	20	3·6	20	2·6	20	3·0	20	3·0	20	3·6	20	3·3	20	3·9	20	3·6	2·3	29
—	1·0	—	0·7	—	1·0	—	0·7	—	0·7	—	1·3	—	1·0	—	1·3	—	1·3	180	1·6	—	1·3	—	1·3	1·5	30
—	**4·4**	—	3·8	—	3·7	—	3·2	—	3·1	—	3·0	—	3·1	—	3·1	—	2·9	—	2·9	—	3·0	—	2·8	3·1	

December, 1923.

°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	°	m/s.	m/s.	
185	5·6	190	7·2	190	6·2	190	5·2	185	4·6	185	5·2	180	6·6	180	6·2	180	7·5	175	8·2	175	8·9	175	8·5	4·1	1
180	3·6	235	3·0	235	3·0	235	1·6	235	1·6	—	1·0	—	1·0	—	0·7	—	1·0	—	1·0	—	0·7	—	0·7	4·5	2
235	2·0	235	1·6	235	2·0	—	0·7	—	0·7	—	1·0	—	0·7	—	1·0	—	1·3	235	1·6	—	1·3	—	1·3	**1·2**	3
195	4·9	220	4·6	240	3·9	245	2·0	245	1·6	245	2·3	245	1·6	—	1·0	245	1·6	—	1·3	245	1·6	—	1·3	3·1	4
335	3·0	20	2·6	20	3·0	20	2·3	20	4·3	15	2·6	15	3·0	15	2·6	15	3·3	15	3·6	15	3·9	15	4·3	2·1	5
360	4·3	360	2·3	—	1·3	—	1·0	—	1·0	—	0·3	—	0·3	—	0·3	—	0·7	—	1·0	—	0·0	—	0·3	2·5	6
175	5·9	175	5·9	175	6·9	175	7·2	180	7·9	180	8·2	180	8·5	180	8·2	180	9·2	180	8·5	185	8·5	185	6·9	4·5	7
230	2·6	230	1·6	—	1·0	—	1·0	—	0·7	—	0·0	—	0·7	—	1·0	—	1·3	—	1·3	230	2·3	255	2·0	3·2	8
320	2·0	320	2·3	320	2·3	—	0·3	—	0·7	—	0·3	—	1·0	—	1·0	—	1·0	—	1·3	—	0·3	—	0·7	1·6	9
235	3·6	235	2·3	235	2·3	235	2·6	235	2·3	235	2·6	235	2·6	235	2·3	235	3·0	235	1·6	235	2·3	235	2·3	1·8	10
230	2·6	230	1·6	230	1·6	—	1·3	—	1·0	—	1·0	230	2·0	230	2·6	230	1·6	—	1·3	—	0·7	—	0·7	1·7	11
230	2·0	230	2·0	—	1·3	230	2·3	230	2·3	230	2·0	—	1·0	—	1·3	—	1·3	—	1·3	—	1·3	—	1·3	1·6	12
225	2·6	230	3·0	240	2·6	260	3·6	305	3·6	335	5·2	350	3·3	350	2·6	350	3·6	350	3·3	350	3·3	350	1·6	2·4	13
—	0·7	260	2·6	260	3·3	260	3·0	260	3·6	245	4·3	240	4·9	240	4·6	225	4·6	225	4·3	235	4·3	235	3·3	2·6	14
310	4·9	315	4·9	315	3·6	315	3·0	315	2·0	—	1·0	315	1·6	315	1·6	315	2·3	315	1·6	315	1·6	315	1·6	3·0	15
250	3·9	250	3·3	265	4·3	275	3·6	265	5·6	260	5·6	260	3·3	265	3·9	260	4·6	265	4·6	265	3·0	265	2·3	3·5	16
245	4·3	245	3·3	245	3·9	245	3·3	245	3·6	250	4·3	255	3·6	240	3·3	235	3·9	230	3·6	230	3·6	230	4·3	3·2	17
290	5·9	275	4·6	275	3·9	280	3·3	290	3·6	290	3·3	290	3·6	300	3·9	290	3·6	285	3·3	285	4·3	285	3·6	4·0	18
310	4·9	315	5·2	315	3·9	325	4·3	345	2·6	355	3·6	345	4·3	340	4·6	340	4·9	330	4·3	325	5·2	325	5·9	4·0	19
335	5·9	335	5·6	335	5·6	335	5·2	330	4·6	330	4·3	315	4·6	310	4·6	315	4·9	315	4·9	315	4·9	315	4·3	**5·7**	20
315	1·6	310	1·6	—	1·3	—	1·0	—	1·0	—	0·7	—	0·7	—	0·3	—	0·7	—	0·7	—	1·0	—	0·7	2·2	21
285	7·5	285	6·6	285	5·9	290	5·2	280	6·2	275	4·9	270	5·6	265	5·2	265	5·2	270	4·3	305	4·9	305	4·3	3·9	22
310	8·5	305	6·9	305	7·2	295	7·2	295	6·9	295	6·2	290	5·6	285	5·2	290	5·6	290	3·6	290	3·3	290	3·6	5·6	23
240	3·3	240	2·6	245	3·6	245	3·0	325	5·9	330	6·6	350	6·6	350	4·9	350	3·9	350	3·3	350	2·0	—	1·3	3·6	24
350	2·0	350	2·6	350	2·3	350	3·3	350	3·0	350	4·3	20	5·2	175	6·9	185	8·2	200	5·6	220	4·9	235	3·9	2·6	25
350	4·3	355	3·3	355	3·3	355	2·3	—	1·3	355	2·3	355	2·0	355	2·0	355	2·3	—	1·3	355	1·6	355	2·0	3·5	26
350	0·7	350	2·0	350	2·0	350	1·6	350	2·3	350	2·6	330	3·9	235	3·9	220	3·6	220	3·9	210	5·2	210	4·3	2·3	27
340	5·9	335	6·2	340	5·6	345	3·3	345	3·9	345	3·9	345	3·0	345	2·0	345	3·3	—	1·3	345	2·3	345	2·3	4·6	28
350	2·0	—	1·3	—	1·0	—	1·0	—	1·0	350	2·0	350	2·3	—	1·3	—	1·3	—	1·3	—	0·7	—	0·7	1·4	29
60	4·9	60	4·3	60	5·2	60	5·9	60	4·6	60	4·3	60	3·6	60	2·3	60	2·6	60	2·3	60	2·0	60	1·6	2·6	30
70	2·0	70	2·0	70	2·6	195	3·0	200	2·3	200	2·3	200	2·3	200	2·0	200	2·0	200	2·0	200	2·3	200	1·6	2·1	31
—	**3·8**	—	3·5	—	3·4	—	3·0	—	3·1	—	3·2	—	3·2	—	3·0	—	3·3	—	2·9	—	3·0	—	2·7	3·1	

13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Mean	Day.

464. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres. **1923.**

Day.	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.	Max. in a Gust.	Time of Gust.
	m/s.	h. m.	m/s.	h m..	m/s.	h. m.	m/s.	h. m.	m/s.	h m..	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.	m/s.	h. m.
1	*	*	*	*	14	10 15	7	19 5	13	1 50	8	7 15	7	9 35	13	13 35	10	16 40	7	15 35	4	24 0	14	23 30
2	*	*	*	*	**16**	**10 25**	10	14 25	5	14 15	7	11 10	7	17 15	17	15 45	8	9 20	9	10 10	7	24 0	15	4 30
3	*	*	*	*	7	15 30	8	16 50	10	15 10	11	18 45	10	15 10	16	13 35	5	11 10	13	22 20	15	19 55	3	13 25
4	*	*	*	*	8	7 35	12	13 5	13	13 15	13	6 35	10	15 45	7	17 30	9	10 5	20	10 10	16	10 35	13	10 55
5	*	*	*	*	12	15 25	9	13 35	12	19 20	6	23 45	9	19 25	10	13 40	10	14 35	6	14 25	6	0 25	7	22 0
6	*	*	*	*	14	13 45	12	8 55	6	11 5	11	11 40	12	17 55	7	14 40	4	6 20	10	15 35	4	13 5	9	3 0
7	*	*	*	*	11	9 45	7	20 50	8	22 0	7	15 40	9	12 0	11	11 50	7	10 55	11	11 0	7	11 50	15	21 0
8	*	*	*	*	13	18 20	20	12 55	7	16 5	**16**	**14 35**	9	9 30	7	13 0	4	14 45	11	23 50	8	14 40	14	1 25
9	*	*	*	*	12	2 0	19	9 45	10	21 10	14	1 15	10	22 50	8	14 50	9	13 55	15	11 35	18	19 45	5	7 10
10	*	*	*	*	8	17 55	15	14 25	12	23 55	15	17 0	11	18 40	5	14 30	7	17 5	15	21 25	14	12 5 12 35	6	12 15
11	*	*	*	*	6	13 20	9	1 15	**24**	**14 40**	11	10 55	4	11 55	5	16 35	9	16 5	9	1 5	6	0 10	4	11 30
12	*	*	*	*	11	12 30	10	14 40	15	11 35	13	17 5	7	14 45	9	13 35	9	10 40	16	11 45	8	13 15	4	11 35
13	*	*	*	*	8	0 10	14	11 15	13	15 30	14	15 0	10	14 25	10	11 50	7	21 35	13	7 45	**22**	**15 10**	10	18 0
14	*	*	*	*	13	14 50	18	10 40	12	11 20	9	7 35	5	15 0	5	12 55	12	14 40	11	14 0	19	3 40	8	19 20
15	*	*	*	*	15	15 55	11	12 25	21	10 15	14	23 30	12	14 45	10	11 50	10	13 40	6	13 55	21	21 15	8	14 0
16	*	*	*	*	11	17 0	11	13 0	23	13 35	13	8 35	12	10 45	9	13 45	10	13 25	10	14 0	21	0 10	11	17 10
17	*	*	*	*	14	15 20	7	17 35	17	12 35	9	12 50	12	18 25	16	14 15	14	11 50	9	10 0	18	5 40	8	11 20
18	*	*	*	*	**16**	**13 5**	10	19 15	8	9 55	6	15 10	8	0 35	19	12 15	13	14 25	11	13 45	12	14 5	13	11 10
19	*	*	*	*	13	9 10	10	10 55	8	15 15	9	13 55	10	12 50	7	14 0	13	11 35	15	8 5	9	13 30	10	23 45
20	*	*	*	*	8	23 40	14	20 15	13	14 20	12	11 55	10	10 0	8	14 25	14	14 35	9	11 50	7	11 35	14	9 55
21	*	*	*	*	7	14 40	16	8 25	10	10 20	8	16 35	8	14 0	18	11 35	14	11 45 13 40	17	6 10	7	11 20	8	1 5
22	*	*	*	*	3	17 25	18	13 10	11	13 45	10	12 30	9	15 15	15	16 0	10	13 10	21	13 45	5	12 30	13	13 20
23	*	*	*	*	6	13 0	8	23 55	12	11 35	8	16 35	12	11 30	14	12 40	**18**	**14 15**	15	12 45	6	14 10	**17**	**11 35**
24	*	*	10	11 35	7	17 45	9	0 35	7	20 35	9	9 50	8	18 45	10	0 50	10	15 40	16	14 20	3	2 50	11	18 45
25	*	*	6	14 40	7	10 25	20	11 5	11	15 5	8	10 35	11	10 50	10	17 5	17	22 5	18	13 10	4	6 55	13	20 5
26	*	*	24	21 35	5	11 50	**23**	**12 25**	8	17 5	6	13 50	**15**	**16 40**	13	17 10	11	9 20	**22**	**6 45**	2	17 10	12	4 20
27	*	*	22	0 45	11	11 30	6	10 0	8	17 30	6	12 45	8	16 50	14	12 5	10	15 25	18	5 40	10	21 35	9	22 30
28	*	*	16	5 20	13	13 20	11	14 45	10	16 15	6	10 50	**15**	17 25	17	15 10	8	9 15	14	10 40	11	6 30	16	**9 10**
29	*	*	—	—	12	15 15	9	6 5	12	12 10	5	19 15	11	16 25	**21**	**23 0**	4	9 30	16	13 55	7	15 30	4	0 40
30	*	*	—	—	7	23 5	14	14 35	12	16 0	7	12 50	**15**	19 10	**21**	**2 10**	5	13 55	15	13 55	6	0 45	9	16 20
31	*	*	—	—	8	13 55	—	—	10	16 5	—	—	12	18 55	10	14 15	—	—	3	10 5	—	—	5	1 40

DISTRIBUTION OF WIND SPEED: EXTREME VELOCITIES.

465. Richmond (Kew Observatory) : H_a = 5 metres + 20 metres. **1923.**

Month.	DISTRIBUTION OF WIND.								EXTREME VELOCITIES.				
	More than 17·1 m/s.		10·8 to 17·1 m/s.		5·5 to 10·7 m/s.	1·6 to 5·4 m/s.	Less than 1·6 m/s.	No Record	Highest Hourly Wind			Highest Gust.	
	Dates of Occurrence.	Duration.	No. of Days.	Duration.	Duration.	Duration.	Duration.	Duration	Veer from N.	Speed.	Mid. Time.	Speed.	Date.
		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day. hour.	m/s.	d. h. m.
Jan.*	—	0	0	0	100	534	110	0	220	9·2	2 15	*	* * *
Feb.*	—	0	2	8	194	368	102	0	195	12·1	27 10	*	* * *
Mar.	—	0	1	1	136	438	169	0	65	11·1	18 13	16	2 10 25
April	—	0	3	12	173	440	95	0	55 60	11·8	8 10 8 17	23	26 12 25
May	—	0	0	0	113	517	114	0	205	9·5	15 12	24	11 14 40
June	—	0	0	0	79	478	163	0	245 245 180	9·8	8 13 8 15 28 13	16	8 14 35
July	—	0	0	0	75	562	107	0	205	7·9	30 17	15	26 16 40
Aug.	—	0	0	0	135	472	137	0	250	10·2	29 23	21	29 23 0 30 2 10
Sept.	—	0	0	0	90	446	184	0	175 345	9·2	17 11 4 11	18	23 14 15
Oct	—	0	0	0	216	417	111	0	170	10·5	27 3	22	26 6 45
Nov.	—	0	3	16	110	365	229	0	195	12·1	13 13	22	13 15 10
Dec.	—	0	0	0	99	458	187	0	305	9·8	23 11	17	23 11 35
Year	—	0	9	37	1,520	5,495	1,708	0	195 195	12·1	Feb. 27 10 Nov. 13 13	24	May11 14 40

* The Dines Tube Anemograph was out of action from Jan. 1st to Feb. 24th.
"Distribution of Wind" and "Highest Hourly Wind" refer (*for this year*) to the Robinson Cup Anemograph.
"Highest Gust" refers to the Dines Tube Anemograph. *See* p. 293.

466. Richmond (Kew Observatory). *Readings, in degrees absolute, at 9h., Greenwich Mean Time.* **1923.**

Day.	Jan.		Feb.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm	30 cm	122 cm
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	77·2	79·9	80·0	79·2	79·5	79·8	82·0	81·0	83·9	82·1	84·2	83·8	88·8	85·4	89·1	88·3	86·3	87·7	88·0	86·1	82·7	84·4	75·2	80·1
2	77·1	79·9	80·7	79·2	79·7	80·0	82·2	81·1	84·2	82·2	84·4	83·8	88·7	85·6	89·7	88·3	86·6	87·4	87·4	86·2	82·2	84·4	75·8	80·1
3	78·2	79·8	81·1	79·4	79·0	79·9	82·4	81·2	85·5	82·3	83·9	83·8	88·6	85·6	89·8	88·3	86·4	87·4	86·3	86·3	82·2	84·3	75·9	80·1
4	77·5	79·8	80·5	79·7	78·6	80·0	82·0	81·3	86·2	82·6	85·5	83·8	88·4	85·7	89·5	88·3	86·2	87·3	84·6	86·3	82·3	84·2	75·2	80·0
5	76·4	79·8	79·0	79·9	78·4	80·1	82·5	81·4	87·0	82·7	84·6	83·8	88·8	85·8	90·0	88·2	85·6	87·2	83·3	86·3	81·3	84·2	75·1	79·8
6	77·0	79·8	78·3	80·1	78·5	80·0	82·3	81·4	87·3	83·0	85·0	83·8	90·1	86·0	90·3	88·2	86·2	87·1	83·7	86·1	81·1	84·1	75·3	79·7
7	76·2	79·7	78·0	79·9	78·7	80·1	81·7	81·5	88·1	83·2	84·9	83·9	91·0	86·0	90·8	88·2	86·9	87·1	84·0	86·0	79·8	84·1	75·3	79·5
8	78·0	79·7	79·3	79·9	79·1	80·0	82·0	81·5	87·6	83·5	85·4	83·9	91·2	86·3	91·2	88·2	86·7	87·1	84·7	85·9	78·5	83·9	76·6	79·5
9	77·7	79·7	78·9	80·0	79·0	80·0	81·1	81·6	86·9	83·6	85·7	84·0	91·0	86·3	91·6	88·3	86·3	87·0	85·4	85·8	78·5	83·5	76·6	79·4
10	77·2	79·7	78·8	79·9	78·5	80·0	79·7	81·6	86·0	83·8	86·1	84·2	91·6	86·6	92·5	88·5	87·4	87·1	85·4	85·7	78·4	83·3	75·6	79·5
11	76·5	79·7	79·0	80·1	78·0	80·1	80·8	81·6	84·9	83·9	86·2	84·2	92·2	86·9	92·4	88·4	88·0	87·0	85·6	85·7	78·2	83·1	76·2	79·5
12	76·3	79·6	78·6	80·0	77·7	80·0	82·2	81·5	84·0	83·9	85·9	84·2	94·0	87·0	91·6	88·5	87·9	87·0	85·2	85·7	77·5	83·0	77·3	79·4
13	75·8	79·6	78·6	79·9	78·4	79·9	82·7	81·5	83·5	84·0	86·5	84·3	94·5	87·2	91·5	88·6	87·7	87·1	84·4	85·8	78·1	82·8	77·7	79·4
14	76·0	79·4	78·5	80·0	78·4	79·9	82·5	81·6	83·6	83·8	87·0	84·4	94·0	87·6	92·2	88·6	88·4	87·1	83·4	85·8	79·8	82·6	77·8	79·5
15	76·3	79·4	78·4	79·9	78·0	79·8	81·7	81·5	84·0	83·8	86·7	84·6	93·8	87·9	91·9	88·8	88·5	87·1	82·2	85·6	78·6	82·4	77·4	79·6
16	76·5	79·2	78·8	80·1	77·9	79·8	81·8	81·6	83·1	83·7	86·4	84·7	93·2	88·0	90·4	88·8	86·8	87·1	82·0	85·4	78·5	82·3	76·5	79·6
17	76·2	79·2	78·9	80·0	78·4	79·8	81·6	81·7	83·1	83·7	85·8	84·6	92·5	88·1	90·0	88·7	86·1	87·1	82·5	85·2	78·5	82·3	77·0	79·6
18	75·4	79·1	78·8	79·9	78·2	79·8	81·6	81·8	83·4	83·6	85·5	84·7	91·4	88·3	89·6	88·7	86·0	87·1	82·8	85·2	77·9	82·0	77·8	79·7
19	75·5	79·2	78·0	79·9	78·2	79·8	81·5	82·0	83·3	83·6	86·3	84·7	91·3	88·5	89·1	88·7	85·5	87·0	84·9	84·9	77·4	82·1	77·5	79·7
20	76·7	79·2	77·6	79·9	78·0	79·8	81·5	81·9	83·8	83·4	86·2	84·7	91·1	88·4	89·4	88·6	85·6	86·9	84·2	85·0	76·8	82·0	76·8	79·7
21	75·9	79·1	77·1	79·8	78·4	79·8	81·4	81·8	84·2	83·5	86·0	84·8	92·2	88·3	89·8	88·5	85·5	86·8	84·3	85·0	76·6	81·7	75·9	79·5
22	75·9	79·2	77·0	79·8	78·9	79·8	81·6	81·8	84·5	83·6	86·9	84·8	92·6	88·2	89·0	88·5	85·1	86·7	83·9	85·1	76·6	81·4	75·4	79·7
23	76·5	79·1	77·4	79·7	79·0	79·8	81·2	81·8	85·2	83·5	87·4	85·0	92·0	88·5	88·7	88·5	84·9	86·4	83·1	85·0	76·4	81·3	76·6	79·4
24	75·5	79·0	77·5	79·7	79·0	79·8	81·5	81·9	84·4	83·6	89·0	85·0	91·7	88·6	88·4	88·3	84·8	86·4	83·0	85·0	76·0	81·2	76·1	79·3
25	75·9	79·0	78·1	79·4	79·8	80·0	81·8	81·8	84·6	83·5	89·0	85·0	92·0	88·6	88·2	88·2	85·3	86·4	83·0	84·8	76·0	81·2	75·7	79·3
26	76·4	78·9	78·7	79·6	80·7	80·0	81·9	81·8	84·3	83·8	87·8	85·2	90·9	88·6	88·5	88·1	85·5	86·2	82·7	84·8	75·7	81·0	75·6	79·2
27	76·9	78·9	79·0	79·7	81·3	80·2	81·9	81·9	84·9	83·7	87·0	85·2	90·1	88·6	88·5	88·1	85·5	86·1	83·1	84·7	75·4	80·8	75·9	79·2
28	77·0	79·0	79·4	79·8	82·5	80·2	82·4	81·9	84·7	83·7	87·5	85·3	90·5	88·6	88·0	88·0	85·8	86·2	83·2	84·5	75·2	80·7	77·0	79·1
29	77·6	78·9	—	—	82·5	80·3	83·0	82·0	84·7	83·7	87·6	85·3	90·0	88·5	87·3	88·0	86·9	86·1	82·8	84·6	75·2	80·4	76·5	79·1
30	78·2	79·0	—	—	82·3	80·7	83·5	82·0	84·1	83·8	88·6	85·3	90·4	88·5	86·9	87·9	88·2	86·1	83·1	84·4	75·6	80·2	75·8	79·1
31	79·2	79·0	—	—	82·2	80·9	—	—	84·8	83·7	—	—	90·0	88·5	86·5	87·8	—	—	83·7	84·4	—	—	76·4	79·1
Mean	76·7	79·4	78·7	79·8	79·3	80·0	81·9	81·6	84·8	83·4	86·3	84·5	91·2	87·4	89·8	88·4	86·4	86·9	84·1	85·4	78·2	82·5	76·3	79·5

The initial 2 or 3 of the readings is omitted; *i.e.*, 275·0 degrees absolute is written 75·0.

MINIMUM TEMPERATURE "ON THE GRASS" DURING THE INTERVAL 18H. TO 9H. G.M.T.

Readings, in degrees absolute.

467. Richmond (Kew Observatory). **1923.**

Day.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
1	69·5	82·2	75·7	71·4	83·4	80·5	82·1	81·0	74·1	79·9	72·6	64·3
2	72·1	83·0	76·0	74·1	74·8	81·0	76·9	81·7	76·9	78·8	74·8	76·9
3	77·2	81·4	69·0	74·9	79·0	**70·9**	78·8	83·7	74·0	74·7	74·5	67·1
4	70·7	75·6	68·9	70·0	77·1	80·6	85·0	76·0	73·5	78·6	75·3	66·1
5	68·8	67·9	69·1	75·8	79·2	73·5	78·3	74·2	76·0	69·1	73·6	68·4
6	70·0	71·8	71·2	78·9	81·0	81·9	85·5	81·0	76·0	78·2	70·1	73·7
7	69·1	70·1	74·5	78·2	80·8	78·8	85·6	80·5	79·5	76·4	67·3	68·8
8	81·7	81·6	77·0	74·5	81·5	78·6	88·6	83·4	72·9	78·1	**66·2**	78·1
9	69·9	70·6	74·1	70·0	78·7	84·6	78·9	80·0	73·5	83·7	71·1	69·7
10	73·6	74·3	75·0	**66·9**	75·0	85·7	89·6	84·7	79·5	81·5	74·5	65·2
11	69·2	76·2	70·0	80·8	77·0	79·4	86·0	81·5	82·2	82·6	68·5	78·8
12	72·2	69·2	**66·6**	80·9	70·8	72·8	88·2	78·6	79·8	82·0	68·2	78·0
13	67·2	70·2	76·4	77·6	74·2	83·6	87·9	80·1	77·2	75·2	76·8	74·1
14	74·3	76·2	73·5	73·6	75·3	83·2	87·0	85·4	84·0	70·4	77·8	70·2
15	70·7	74·9	75·8	71·1	77·7	80·1	86·2	86·8	80·8	**68·4**	67·2	73·1
16	73·1	71·4	76·8	73·4	72·6	80·4	88·1	75·4	73·2	70·1	72·5	68·8
17	**66·4**	72·8	76·0	77·4	73·0	79·6	80·8	83·9	**71·2**	77·6	74·6	74·2
18	69·2	74·5	74·4	74·0	71·8	72·7	83·8	85·8	74·2	73·3	69·0	76·1
19	70·1	69·5	73·3	76·8	72·7	82·7	78·8	81·2	76·8	84·7	70·8	73·1
20	75·9	74·2	69·9	77·3	80·8	81·8	87·3	84·5	78·8	80·7	66·8	69·0
21	67·2	72·5	77·1	75·0	82·6	77·7	85·6	87·5	81·5	81·8	73·0	67·6
22	71·1	**67·8**	72·4	79·0	75·3	83·3	85·8	82·0	74·1	78·0	70·6	72·9
23	68·9	76·0	73·5	67·2	82·8	77·7	83·3	76·2	74·0	78·0	66·4	72·5
24	66·8	69·2	73·1	71·2	74·1	85·8	81·0	83·3	74·9	75·0	70·9	72·0
25	70·4	76·2	71·2	70·6	73·7	83·1	86·2	77·4	81·9	78·8	70·9	**63·9**
26	70·0	71·2	77·4	79·6	**70·1**	79·4	81·9	86·0	82·4	76·1	68·9	73·9
27	76·9	77·2	74·1	70·8	77·3	75·8	**76·4**	81·3	75·9	79·6	68·7	73·0
28	73·2	78·1	81·8	71·4	79·6	78·1	87·0	81·8	77·2	81·1	70·4	77·1
29	76·9	—	79·5	76·9	79·7	77·1	81·8	79·0	85·8	74·1	72·8	66·1
30	78·4	—	74·6	80·8	78·3	77·2	85·9	80·5	89·4	82·9	69·1	73·1
31	79·4	—	76·8	—	80·3	—	84·3	**72·2**	—	79·8	—	73·8
Mean	71·9	74·3	74·0	74·7	77·1	79·6	84·0	81·2	77·7	77·7	71·1	71·6

The initial 2 or 3 of the readings is omitted; *i.e.*, 275·0 degrees absolute is written 75·0.

Note.—The minimum refers to the interval from 18h. the previous day to 0 h. on the day to which it is entered.

HEIGHT IN CM. ABOVE M.S.L. OF SURFACE OF UNDERGROUND WATER.

Daily Means and Extremes for Months.

468. Richmond (Kew Observatory). **1923.**

Day.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.	cm.
1	195	219	282	286	263	234	213	204	186	175	213	217
2	198	217	284	285	262	237	216	203	186	176	213	216
3	202	217	287	284	261	241	217	202	185	177	213	214
4	207	216	295	284	262	244	217	201	184	177	211	213
5	211	217	308	285	264	244	214	200	183	177	209	212
6	215	219	316	288	266	242	213	199	183	177	207	211
7	220	221	318	291	265	239	211	198	181	176	206	213
8	224	221	317	290	263	236	210	197	180	175	206	215
9	229	221	317	287	262	233	208	195	179	175	206	216
10	233	223	316	284	259	230	208	194	179	175	205	221
11	236	228	313	281	257	226	208	193	179	177	208	230
12	239	231	309	278	253	224	207	192	179	179	213	236
13	240	235	307	277	249	222	207	193	179	181	215	239
14	242	238	309	279	247	220	207	193	180	184	216	239
15	243	243	313	281	244	219	208	193	180	189	215	238
16	244	247	315	283	242	219	211	193	180	195	216	237
17	244	252	316	285	240	221	213	193	180	199	217	235
18	242	256	317	287	238	225	215	193	180	201	218	232
19	241	260	317	289	237	227	216	191	179	201	219	230
20	240	263	315	290	238	226	215	191	178	199	220	228
21	238	267	312	291	239	224	213	190	177	199	221	227
22	238	271	310	290	239	222	211	189	177	199	221	226
23	237	273	309	285	237	220	210	188	176	200	221	225
24	235	274	307	284	236	218	208	187	175	200	221	223
25	234	276	304	281	235	217	206	186	175	201	221	223
26	232	279	301	277	233	215	205	186	174	202	221	225
27	230	281	299	272	231	214	204	188	174	205	222	227
28	228	281	296	269	230	213	203	189	174	206	222	230
29	225	—	292	267	229	212	203	189	173	208	220	234
30	223	—	289	265	229	211	204	189	174	210	218	239
31	221	—	287	—	231	—	205	187	—	212	—	244
Mean	229	245	306	283	246	226	210	193	179	191	215	226

Extremes for the months:—Jan., 244, 194; Feb., 282, 216; Mar., 319, 281; Apr., 292, 265; May, 266, 228; June, 245, 211; July, 218, 202; Aug., 205, 185; Sep., 187, 173; Oct., 212, 174; Nov., 222, 205; Dec., 246, 211.

469. Richmond (Kew Obs.). — January, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	A. St.	Ci.	Ci. St.	2	6	7	1	8	9	⊏	⊏	≡⁰	≡⁰	≡⁰	◡	⊏ ≡ 9h. : bm to cm *a* & *p* : ◫. ● *n* :
2	Nb.	Nb.	Nb.	10	10	10	10	10	10	d_0	d_0	d_0	d_0	●	≡⁰	● till 2h., odm to orqm : Linc q 18h.
3	St. Cu.	A.Cu.:St.Cu.:Fr.Cu.	A. Cu.: St.: Fr. Cu.	1	1	5	7	7	7	≡$_0$	≡⁰	…	≡⁰	≡⁰	≡⁰	≡° bm to bc *a* : bm to cm *p* : ●⁰ p 14h. 15m.
4	St. Cu.	—	—	9	8	0	<1	0	0	≡⁰	≡⁰	≡⁰	≡⁰	⊏	⊏	⊏, cmx to bm *a* : bm to bfx *p* & *n* :
5	Ci. St. : St.	St. Cu.	Nb.	4	9	10	10	10	10	⊏⊏	⊏	≡⁰	●⁰	●	●	⊏, ≡ to 10h. : bc to om *a* : om to orm *p* [● *n* :
6	A. St.	—	—	1	0	0	0	0	1	…	⊏	8	8	⊏	⊏	bmx to bz.
7	A. St. : Nb.	A. St.: Nb.: Fr.Nb.	St.	10	10	10	—	10	10	●	●⁰	≡⁰	—	≡⁰	…	● 4h. to 10h. : omr to om *a* : om *p* :
8	A. St. : St. Cu.	A. St.: Nb.: Fr.Nb.	—	10	10	10	10	0	0	≡⁰	≡⁰	d_0	●⁰	…	◡	om to odm *a* : or$_0$m to b *p* :
9	A. St. : Nb.	St. Cu. : Nb.	—	9	10	10	1	0	1	…	d_0	…	…	…	…	cm to o *a* : b *p* : ● 10h. 20m. to 11h. 15m.,
10	—	St. Cu. : Fr. Nb.	Fr. St.	0	7	10	8	<1	5	…	…	g	…	≡⁰	…	b to og *a* : o to bm *p* : [● q 12h. 5m.–20m.
11	A. St.	Fr. Cu.	—	<1	0	1	7	0	7	≡⁰	≡	8	8	8	…	⊏, bxf to bz *a* : bz to cz *p* :
12	A.St.:St.Cu.:Nb.	—	—	10	7	0	1	0	0	≡⁰	≡⁰	≡⁰	8	≡⁰	≡⁰	om to bm *a* : bz to bmx *p* : ⊏ *n* :
13	St.	St.	St.	10	10	10	10	10	10	≡	≡	≡	≡	≡⁰	≡⁰	V, ofx *a* : ofx to omw *p* :
14	St.	Ci. : A. Cu. : Fr. St.	St. Cu.	10	10	8	—	1	0	≡⁰	≡⁰	≡⁰	—	…	≡⁰	omw to cm *a* : cm to b *p* :
15	A. St. : St. Cu.	A. St. : Nb. : St. Cu.	Fr. Cu.	8	8	10	9	1	3	≡⁰	≡⁰	8	8	…	…	bmx to om *a* : oz to b *p* :
16	A. St. : St. Cu.	A. St. : Fr. Cu.	St. Cu.	10	10	10	10	10	0	…	g	8	8	8	≡⁰	om to oz *a* : oz to bm *p* : ● 2h.–2h. 25m.
17	St.	St.	St.	10	10	10	10	10	10	≡²	≡²	≡²	≡²	≡²	≡²	≡² ⊏ *a* & *p* : [b to o *n* :
18	St.	Fr. Cu.	St. Cu.	10	10	1	3	8	10	≡	●	≡⁰	8	●⁰	≡⁰	≡ till after 9h. : of to bm *a* : bz to cm *p* :
19	St.	A. St. : St. Cu.	St. Cu.	10	10	10	5	10	10	≡	≡	≡⁰	≡⁰	≡⁰	…	≡ till after 9 h. : om *a* : o to bc *p* : ● *n* :
20	St. Cu.	St. Cu. : Fr. Nb.	—	8	7	8	3	0	0	…	8⁰	…	…	…	…	● early : o to cz *a* : c to b *p* :
21	A. St.	A. St. : St. Cu.	St.	<1	7	10	—	10	10	⊏⊏	≡⁰	≡⁰	—	≡⁰	≡⁰	⊏, bmx to om *a* : om *p* :
22	A. Cu. : St. Cu.	A. Cu. : Det. Cu.	St.	7	3	9	2	10	8	≡⁰	≡	…	…	…	…	≡ 9h., o to bf *a* : o to b *p* :
23	St.	Ci.	—	1	0	1	0	0	0	≡⁰	≡⁰	8	8	8	≡⁰	⊏⊏, bm to bz.
24	A. Cu. : St. Cu.	St. Cu.	St. Cu.	8	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	⊏, bm to om *a* : om *p* :
25	A. Cu. : St. Cu.	St. Cu.	St. Cu.	7	5	10	9	9	0	≡	≡⁰	8	8	≡⁰	≡⁰	≡ 9h., bm to om *a* : om to oz *p* : bm *n* :
26	St.	St. : St. Cu.	St. Cu.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	om.
27	St.Cu.:Nb.:Fr.Nb.	St. : St. Cu.	St. : St. Cu.	10	10	10	10	10	2	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	om *a* & *p* : bm *n* :
28	St. Cu.	A. Cu. : St. Cu.	St. : St. Cu.	10	10	10	—	10	10	≡⁰	≡⁰	≡⁰	—	≡⁰	≡⁰	om.
29	A. St.	A. St. : Nb.	Nb. : St.	7	8	10	10	10	10	◡	≡⁰	●	●	≡⁰	≡⁰	om to cm *a* : om *p* : ● 11h. 30m.–15h.
30	St. Cu.	St. Cu.	St. Cu.	10	10	9	9	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	om to cm *a* : om *p* :
31	St. Cu.	St. Cu. : Fr. Nb.	St. : St. Cu. : Fr. Cu.	10	10	10	10	10	10	≡⁰	d_0	≡⁰	≡⁰	≡⁰	…	om to omd *a* : om to bc *p* :
Mean Cloud Am'nt				7·2	7·6	7·7	6·5*	6·3	5·9							

470. Richmond (Kew Obs.). — February, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	A.St.:St.Cu.:Nb.	St. Cu.	St. Cu.	10	10	10	10	10	10	…	…	…	d_0	…	…	●⁰ 1h. : o *a* : o to od *p* :
2	A. St. : Nb.	St. Cu. : Fr. Nb.	St. Cu.	10	10	10	10	10	10	●⁰	≡⁰	…	≡⁰	≡⁰	d_0	omr to o *a* : omr to om *p* :
3	A. St. : St. Cu.	Ci. : A. St.	Ci. : A. St.	9	9	5	9	5	6	…	…	…	…	≡⁰	≡⁰	o to bc *a* : bc to o *p* : ≡⁰ 9h. & 18h.
4	A. Cu. : St. Cu.	Cu.	A. Cu. : St. Cu.	3	2	3	–	3	0	◡	≡⁰	—	—	◡	◡	◡ : bm to bcm : ⊏ *n* :
5	St.	Cu. : Fr. Cu.	—	10	10	6	5	0	0	≡²	⊏	8	8	8	◡	≡ till 9h. 30m., of to bcz *a* : bcz to bm *p* :
6	St. Cu.	Ci. Cu. : St. Cu.	St. Cu. : St.	8	9	9	10	10	10	◡	8	8	8	≡	…	⊏, bm to oz *a* : oz to orm *p* :
7	St. Cu.	A. St. : Nb.	Nb. : Fr. Nb. : St.Cu	8	10	10	9	10	8	≡⁰	≡⁰	…	●	●	…	b early : cm to omr *a* : omr to c *p* :
8	A.St.:Nb.:Fr.Nb.	A. St. : Fr. Nb.	A. St. : St. Cu.	10	10	10	10	10	0	●	●	●	≡⁰	≡⁰	≡⁰	● 1h. 10m.–13h. 30m., Line q 12h. 30m. [om *p*: bm *n* :
9	St. Cu.	Cu.	St. Cu.	3	8	2	<1	3	4	◡	◡	≡⁰	8	≡⁰	≡⁰	≡ till 10h. 15m., bz to om later.
10	A.St.:St.Cu.:Fr.Nb.	Nb.	St. Cu.	10	10	10	10	10	5	≡⁰	d	●	●	≡⁰	≡⁰	om to omr : ● *a* & *p* :
11	Ci.St.:Cu.Nb.:St.Cu.	Ci.A.Cu.:Cu.Nb.:Cu.	St. : St. Cu.	4	3	7	–	2	3	…	≡⁰	≡⁰	—	≡⁰	◡	●⁰ 7h. 50m. & 12h. 10m., bc to cm *a* : cm to
12	Fr. Cu.	A. St. : St. Cu.	St.	<1	10	10	10	10	10	⊏	≡	◡	≡⁰	≡⁰	●◡	≡ till 11h., bfx to om *a* : om *p* : [bm *p* :
13	St.	St.	St.	10	9	10	10	10	10	≡⁰	≡⁰	≡	≡	≡⁰	≡⁰	● oh.–6h., ≡ 13 h. : om to ofg
14	Nb.	Nb.	St.	10	10	10	10	10	10	●	●⁰	●⁰	≡	≡³	≡	≡ after 9h., omr to ofr *a* : ofg to of *p* :
15	St.	Ci.Cu.:Ci.:Fr.Cu.:St.	A. St. : St.	10	10	8	10	10	10	≡²	≡	≡⁰	≡⁰	≡⁰	≡⁰	≡ till 12h. 30m. : cm to om *p* :
16	St. Cu.	Fr. Cu. : St. : St. Cu.	St. Cu.	2	0	10	9	2	9	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	bm to om *a* : om to bm *p* : ● *n* :
17	Fr. Cu.	Cu.	St. Cu.	1	1	7	8	10	10	≡⁰	≡⁰	…	…	≡⁰	≡⁰	● 2h. 30m. : om to bm *a* : c to om *p* :
18	Nb.	A.St.:St.Cu.:Fr.Nb.	Nb. : Cu. Nb.	10	10	10	–	8	1	●⁰	●●	≡	—	≡⁰	≡⁰	omr to om *a* : ≡ 13h., omp to bcm *p* :
19	St.	A. St. : Nb.	Nb. : St.	10	10	10	10	10	10	d_0	●⁰	≡⁰	●⁰	≡⁰	…	≡ ● 7h.-10h.30m., of to omr *a* : or to om *p* :
20	A. St. : Cu. Nb.	St.	St.	10	10	10	10	10	10	≡⁰	≡⁰	8	8	≡⁰	≡⁰	om to omg *a* & *p* :
21	A. St. : Nb.	A.St.:Nb.:Cu.Nb.	Nb. : Fr. Nb.	10	10	10	9	8	<1	●	●⁰	◹●	≡⁰	≡⁰	≡⁰	omr *a* : ◹ 12h. 15m.–45m. : omr to om *p* :
22	A. St.	A. St. : St. Cu.	A. St. : Nb.	1	8	10	10	10	8	⊏	≡⁰	≡⁰	●⁰	●⁰	●⁰	⊏, bmx to omr$_0$ *a* : omr *p* : ● *n* :
23	A. St. : Nb.	St. Cu.	—	10	10	8	2	0	0	≡⁰	≡⁰	…	…	≡⁰	≡	● early : omr to c *a* : c to b *p* : ≡ *n* :
24	A.St.:Nb.:Fr.Nb.	St.	St.	10	10	10	10	10	10	≡⁰	≡⁰	d_0	≡⁰	≡⁰	◡	≡ ⊏ early : ● 1h. 10m.–3h. : om to omd
25	St.	A.St.:Nb.:Fr.Nb.	A. St. : A. Cu.	10	10	10	–	7	7	◡	≡	≡⁰	—	≡⁰	≡⁰	● p⁰ 7h. 30m.–8h., ≡ after 9h., of to om *a* : [om to bcm *p* :
26	A. St. : Nb.	Fr. Cu.	Fr. Cu. : Nb.	10	10	5	7	5	4	d_0	●	…	…	…	…	● to bcq *a* : bcq to orq, ≋ (gusts) *p* : ◫ 21h.
27	Ci.:Ci.Cu.:A.St.:Nb.	A. St. : Fr. Nb.	St. Cu.	5	10	10	10	10	10	…	…	●⁰	●⁰	…	…	≋ (gusts) 9h. 30m.–13h. 10m. : bc to oqr *a* :
28	Ci. : Fr. Cu.	Ci. Cu. : Cu. : St. Cu.	St.Cu.:Cu.Nb.:Fr.Nb	2	6	9	4	9	5	…	…	…	…	●⁰	≡⁰	oq to b *a* : omp to bc *p* : [oq to oqr *p* :
Mean Cloud Am'nt				7·4	8·4	8·5	8·5†	7·6	6·5							

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.

Note.—Observations are not taken at 15h. on Sundays, Good Friday and Christmas Day.
* Mean of 27 days. † Mean of 24 days.

471. Richmond (Kew Obs.). March, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	A. St. : Nb. : St. Cu.	St. Cu.	A. St.	8	10	8	10	8	10	...	...	...	...	≡⁰	●⁰	cm to op *a* : cm to omr *p* : ⊕ 15h.
2	—	Cu.	A. Cu. : St. Cu.	0	1	4	9	9	3	...	...	8	8	8	ρ	b to bc *a* : bc to o *p* : ◫ *n* :
3	Ci. : Ci. St. : A. St.	Det. Cu. : Fr. Cu.	Ci.St.:A.St.:Fr.Cu.	3	10	2	3	3	2	ρ	ρ	8	8	8	ρ	≡ ⌴ till 10h. 30m., bfx to bz *a* : bz *p* :
4	A. St.	Cu.	Ci.A.St. : A.Cu. : St.Cu.	10	10	7	–	5	3	≡⁰	—	—	—	≡⁰	≡⁰	⌴, bmx to om *a* : bm to cm *p* :
5	St. : St. Cu.	A. St. : St. Cu.	Fr. Cu. : St. Cu.	10	10	10	10	8	8	ρ	≡	≡⁰	●⁰	≡⁰	ρ	≡, of to om *a* : omr⁰ to cm *p* :
6	St.	A. St. : St. Cu.	Nb.	10	10	10	10	10	0	ρ	ρ	≡⁰	...	≡⁰	...	≡ till 9h. 30m., of to om *a* : o to orm *p* :
7	Ci. St. : St. Cu.	A. St. : St. Cu.	Nb.:Fr.Nb.:St.Cu.	5	7	10	10	10	10	≡⁰	...	8	●	≡⁰	...	b to orm *a* : orm to om *p* : T 15h. 45m.
8	A.Cu. : A.St. : Nb. : Fr.Nb.	Cu. : St. Cu.	St. Cu.	8	10	10	10	10	10	≡⁰	≡⁰	8	8	≡⁰	...	om to omr *a* : om to oz *p* :
9	St. : St. Cu.	A. St. : Nb.	A. St. : Nb.	10	10	10	10	10	10	≡⁰	8	●⁰	●⁰	≡⁰	d_0	om to or_0m : ✻⁰ 10h.
10	A.St.:Fr.Nb.:Nb.	St.	St. Cu.	10	10	10	10	9	10	≡⁰	≡⁰	≡	≡	≡⁰	≡⁰	● p 6h. : om to odf *a* : of to om *p* : ⌴ *n* :
11	A. Cu. : St. Cu.	A.St.:Cu.:Fr.Cu.	St. Cu.	3	10	10	–	10	10	≡⁰	≡⁰	≡⁰	—	≡⁰	≡⁰	bm to om *a* : om *p* : ≡ about 11h.
12	Ci.	St. Cu.	A. St.	5	6	9	8	10	10	≡⁰	≡⁰	...	...	...	●	≡⌴ : bcfx to o *a* : c to o *p* : ● *n* :
13	Nb.	Nb.	Nb.	10	10	10	10	10	10	●	●	●	●	≡⁰	≡⁰	≡ : omr to omrg : om *n* :
14	St. Cu.	St. Nb.	Fr.Nb.:St.Cu.:St.	10	10	10	10	10	10	≡⁰	≡⁰	8	8	8	...	om to oz : o *n* :
15	A.St.:Nb.:Fr.Nb.	Nb.	Nb.	10	10	10	10	10	10	≡⁰	●	≡⁰	≡⁰	●⁰	≡⁰	●⁰ *a* & *p* : orm to om
16	St. : Fr. St.	St.	St. : Fr. St.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	om
17	St.	St. Cu.	Fr. Cu. : St. Cu.	10	10	8	4	5	0	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	...	om to cm *a* : cm to bcm *p* :
18	Fr. Cu.	Ci. St. : Cu.	Ci.St.:A.Cu.:Cu.	3	10	4	–	8	3	≡⁰	≡⁰	...	—	≡⁰	≡⁰	bmw to om *a* : bcmq to cm
19	St. Cu.	Ci.St.:St.:St.Cu.	St. : St. Cu.	9	5	8	8	10	10	ρ	ρ	8	8	8	≡⁰	bm to omw *a* : cz to oz *p* :
20	St.	St. Cu.	St. Cu.	10	10	10	10	10	10	ρ	≡	≡	8	8	≡	ofx to of *a* : oz *p* : of to ● *n* :
21	St. Cu. : Nb.	A. Cu.	A.Cu.:St.:Fr.St.	10	8	3	6	9	0	●⁰	ρ	≡⁰	8	8	≡⁰	...	● 5h. 15m.–7h. : om to bz *a* & *p* : ≡ *n* :
22	St. : St. Cu.	A. St.	St. Cu.	10	10	10	10	10	10	ρ	ρ	≡⁰	≡⁰	●⁰	ρ	≡ till 11h., ofw to om
23	St.	Nb.	A. St. : Cu. Nb.	10	10	10	10	10	10	ρ	ρ	●	≡⁰	≡⁰	≡⁰	● 8h. 10m.–12h. 30m. & 13h.–14h. : ofrg *a*:
24	Fr. Cu.	Cu.	Cu. : St. Cu.	1	0	3	2	3	0	ρ	ρ	8	8	8	ρ	bmw to bz [om *p* :
25	A. Cu. : St.	A.St.:St.Cu.:St.	Ci.:A.Cu.:Cu.	4	9	10	–	4	7	ρ	ρ	●	—	≡⁰	≡⁰	≡ till 9h., bw to om *a* : om to bcm *p* : [to bz *p* :
26	St.	St. : St. Cu.	Ci. : St. Cu.	10	10	10	10	2	0	ρ	≡	≡	≡⁰	●	8	ρ	● early : ≡ till 9h., of to om *a* : or_0m
27	Ci. : St. Cu.	Ci. : Fr. Cu.	Ci. : St. Cu.	4	8	8	7	3	10	ρ	8	y	y	y	...	≡ bw to cy *a* : c to b *p* : ⊕ 13h.
28	A.Cu.:A.St.:St.Cu.	Cu.	St. Cu.	9	6	7	6	10	10	...	...	...	...	d_0	...	● 3h. : o to bc : ● d 18h.
29	A. Cu. : St. Cu.	A. Cu. : Cu.	A.Cu.:Cu.Nb.:St.	9	10	7	10	8	4	...	...	...	T	...	≡⁰	● p 5h. : op to cz *a* : or T to cm *p* : ● *p* :
30	A.Cu.:St.:St.Cu.	A.St.:Cu.:Fr.Cu.	Ci.Cu.:A.Cu.:St.Cu.	7	7	10	–	8	10	≡⁰	≡⁰	8	—	8	≡⁰	cmw to oz *a* : oz to cz *p* :
31	A.St.:St.Cu.:St.	A.Cu.:Cu.Nb.:Fr.Cu.	Ci.:Ci.Cu.:Fr.Cu.	10	10	10	10	8	3	≡⁰	8	8	...	...	...	⌴, om to oz *a* : oz to bc *p* :
Mean Cloud Am'nt				7·7	8·6	8·3	8·6*	8·1	6·9							

472. Richmond (Kew Obs.). April, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	A.St.:St.:Fr.St.	Cu. St.	A. Cu. : St. Cu.	10	10	7	–	9	10	ρ	ρ	8	—	≡⁰	≡⁰	omw to cz *a* : cz to om *p* : ≡ 15h.
2	A. St.	—	Ci. St.	10	10	0	0	8	10	ρ	ρ	8	8	8	≡⁰	omw to bz *a* : bz to bcz *p* : ⊕ 16h.
3	A. St. : St.	A. St.	A. Cu.	10	9	10	7	2	2	ρ	ρ	8	8	8	ρ	omw to cz *a* : cz to bz *p* : ≡ *n* :
4	A. Cu.	A. St.	Ci.Cu.:A.Cu.:A.St.	<1	0	<1	1	8	0	...	...	...	...	8	≡⁰	≡, bf to b *a* : b to cz *p* :
5	Ci.:Ci.St.:A.Cu.:A.St.	A. St. : St. Cu.	Nb.	6	7	10	10	10	10	8	ρ	8	8	●⁰	d_0	ρ, bcm to oz *a* : oz to omr_0 *p* : ● *n* :
6	A. St. : Nb.	A.St.:Nb.:St.Cu.	A.St.:Nb.:Fr.Nb.	10	10	10	10	10	10	ρ	ρ	≡⁰	8	≡⁰	...	omr to om *a* : om to oz *p* :
7	St.	St.:St.Cu.:Cu.:Fr.Cu.	Fr. Nb.:St.:St.Cu.	10	10	8	8	10	0	ρ	d	8	8	8	ρ	≡ 9h. 30m.–11h., omw to of *a* : cz to oz *p* :
8	A.Cu.:Cu.:Fr.Cu.	Cu. : Fr. Cu.	Ci. St.	4	4	4	–	2	0	...	...	...	—	...	≡⁰	bcq to bq [b *n* :
9	Cu. : Fr. Cu.	A.Cu.:Cu.Nb.:St.Cu.	Fr. Cu. : St. Cu.	1	10	10	10	9	2	8	8	8	8	...	...	bm to oz *a* : oz *p* : ✻° 12h. 25m. & 13h. 15m.
10	A.Cu.:St.:St.Cu.	A. St. : St. Cu.	St. Cu. : St.	9	10	10	10	10	10	ρ	≡⁰	y	8	≡⁰	●⁰	ρ, om to oz : ● *n* : [≡ 18h., ◹ 23h.–24h.
11	St. : Nb.	A.Cu.:A.St.:St.Cu.:Cu.	Ci.:Ci.St.:A.Cu.:Nb.	10	10	10	10	4	5	≡⁰	≡⁰	8	●⁰	≡	≡⁰	● oh. 40m.–3h. : om to cz *a* : or to bc *p* :
12	Ci.:Ci.St.:St.Cu.	St. Cu.	Nb. : St. Cu.	5	10	9	10	10	8	≡⁰	d_0	...	●⁰	●⁰	≡⁰	◺ 1h. ● 1h.–3h. : bcm to or *a* : o to omr *p* :
13	Ci.:Ci.Cu.:St.Cu.	Ci.St.:St.Cu.:Cu.	A.St.:Nb.:Fr.Nb.	6	7	8	10	10	8	...	...	...	...	●⁰	...	● 4h.–5h. : o to bc *a* : c to or *p* :
14	Ci. St.	Nb. : Fr. Cu.	Ci.St.:Fr.Cu.:Nb.	1	5	8	7	7	0	ρ	...	...	...	...	ρ	ρ, b to cu *a* : cu to c *p* : ● ▲ p 10h. 40m. & [13h. 20m. : bw *n* ;
15	Ci. : Cu.	Ci.:Ci.St.:Cu.:Fr.Cu.	A.St.:Nb.:Cu.Nb.	2	9	7	–	10	6	ρ	ρ	...	—	●⁰	...	● oh. 40m. : bw to o *a* : orm to bc *p* :
16	A.St.:St.:Fr.St.	St. Cu. : St.	A. Cu. : St. Cu.	10	10	10	10	8	10	≡⁰	≡⁰	8	8	8	...	ρ, om to o *a* : oz to cz *p* & *n* :
17	St. Cu.	Ci.	St. Cu.	9	7	4	0	6	9	...	8	8	8	8	≡⁰	o to bcz *a* : bz to bcz *p* :
18	St. Cu.	Cu.	A. Cu. : St. Cu.	10	10	5	8	8	1	≡⁰	8	8	8	8	...	om to bcz *a* : oz to cz *p* : b *n* :
19	A.St.:A.Cu.:St.	A. St. : St. Cu.	St. Cu.	10	10	10	5	10	0	≡⁰	8	●	8	8	8	om to oz : ●⁰ 10h. 30m. : b *n* :
20	St.	Cu. : St.	St. : Cu.	10	7	10	6	7	0	≡⁰	≡⁰	8	8	8	...	om to cz *a* : oz to bcz *p* : b *n* :
21	A.Cu.:St.Cu.:Fr.Cu.	A. Cu. : St. Cu.	St.Cu.	9	9	10	8	9	9	...	...	...	...	...	...	b to o *a* : o to c *p* :
22	A. St. : Nb.	Ci.:Ci.St.:Fr.Cu.:St.Cu.	Ci.:Ci.Cu.:Ci.St.:St.	10	10	9	–	6	10	p ●⁰	p ●⁰	...	—	8	...	●⁰ 6h. 30m. & 10h. : om to omq *a* : om to
23	Cu.	A. Cu. : Cu.	St. Cu.	9	8	9	10	10	9	ρ	...	...	...	...	...	⌴, b to o *a* : o *p* : [bcq *p* :
24	A. Cu. : A. St.	Cu.	Cu.	2	1	4	5	1	0	8	8	...	...	...	ρ	● p 3h. 20m. : bc to b
25	A.St.:Nb.:Fr.Nb.	Nb.	Nb.	10	10	10	10	10	10	●	...	●	●	●	...	● 6h. 15m.–8h. 10m., ≋ (gust) 11h. 5m. : [om to orq *a* & *p* :
26	Nb.	A. St. : Cu.	A. St. : Nb.	10	10	5	10	6	0	ρ	...	...	●	●	...	● oh.–7h. 30m., Line q ● ▲ 12h. 25m. &
27	—	Cu.	Ci.:Ci.St.:St.:St.Cu.	0	3	6	6	8	8	ρ	...	...	...	8	ρ	ρ, bcm to b *a* : bc to c *p* : [13h. 40m. ≋ (gusts)
28	A. Cu. : Cu.	Cu.	St. Cu. : Cu. Nb.	5	<1	5	8	8	2	ρ	8	...	...	...	ρ	ρ, bcm to b *a* : bc to c *p* : ◫ 22h. 30m.
29	A. St. : Nb.	A. Cu. : Cu. : St.	St. Cu.	10	10	6	–	9	5	●	●	8	—	8	≡⁰	● 4h. 30m.–9h., o to omr *a* : bcz to oz *p* :
30	St. Cu.	A. St. : St. Cu.	St. Cu.	10	10	10	10	10	10	≡⁰	...	...	...	...	...	●⁰ oh. 45m. : om to o
Mean Cloud Am'nt				7·3	7·9	7·5	7·6†	7·8	5·5							

* Mean of 26 days.

† Mean of 25 days.

473. Richmond (Kew Obs.). **May, 1923**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu. : F. St.	St. Cu.	Cu.	10	10	10	7	1	3	...	...	...	...	...	☂ ☂	o to bc *a* : o to b *p* :
2	Ci. St. : A. Cu.	Ci. Cu. : Cu.	Ci. : Ci. Cu. : A. Cu. : A. St.	3	5	7	1	8	10	☂	≡ 8	8	...	...	...	☂, bm to cz *a* : cz to b *p* : ● 22h.
3	St. Cu. : St.	A. Cu.	Ci. : St. Cu.	9	9	3	8	6	< 1	☂	≡ 0	...	...	...	☂ ☂	orm to b *a* : b to c *p* :
4	—	Ci.	Ci. : Ci. St. : A. Cu.	0	1	3	7	3	2	...	...	8	...	...	...	☂, bm to bc
5	Ci. : Ci. St. : Cu.	Ci.St.:A.St.:St.:St.Cu	A.Cu.:A.St.:Fr.Cu :St.Cu.	5	10	9	10	3	2	...	...	...	...	...	...	☂, b to om *a* : om to c *p* : ●0 14h. & 1
6	A.St. : Nb. : St.Cu.	Ci. : Cu.	A.St.:A.Cu.:Cu.	10	5	3	–	10	7	☂	☂	...	—	...	...	☂, om to b *a* : b to o *p* :
7	A. Cu. : St. Cu.	Ci. St. : Cu.	A.St.:Fr.Cu.:Nb.	9	6	7	10	10	10	☂	≡ 8	...	...	...	...	☂, oz to bcz *a* : c to ● *p* : ● 22h.–23h
8	A. St. :	A.St.:St.:St.Cu.	St.	10	9	10	10	10	10	☂	≡ 0	8	8	...	...	om to oz. [21h. 30m
9	Ci. : Cu.	A. Cu. : St. Cu.	A.Cu.:St.Cu.:Fr.Nb.	4	10	10	7	7	7	☂	≡ 0	8	...	...	...	bcm to o : ● 17h.–17h. 35m., ●0 21h.
10	St. Cu.	Cu. Nb.	Ci. : Cu.	8	10	10	5	5	2	≡ 0	...	...	...	...	...	bc to o, ● ▲ 12h. 10m., ●0 12h. 50m. : ● [& 17h. 45m., ● ▲ 18h. 30m
11	Ci.Cu.:Ci.St.:St.Cu.	Ci. Cu. : Nb.	Ci.:Cu.Nb.:St.Cu.	4	8	5	7	6	5	☂	...	p ●	p ●	...	...	o to bc : ● q 14h. 35m., ≋ (gusts) ● p 15
12	Cu.	Nb. : Cu. Nb.	Ci.:Ci.St.:Cu.:Cu.Nb.	1	7	9	8	4	2	☂	...	●0	...	...	...	⊏, b to o : T 11h.30m. & 12h.25m., ●▲p [11h.–11h.40m., 12h.30m., 15h. & 16h.25m
13	St.	Cu.	Ci.St.:Cu.:Cu.Nb.	9	9	5	–	5	7	☂	≡ 0	...	—	...	...	● 3h.–5h.15m. : o to b *a* : bc to c *p* : ●
14	A. Cu. : St. Cu.	Ci. Cu.	Ci.:A.Cu.:Fr.Cu.	9	6	6	7	8	4	☂	...	...	...	...	...	☂, b to o : ⊕ 18h. [22h. 30m
15	Ci.St.:Ci.:St.Cu.:Fr.Cu.	Nb.	Nb. : St. Cu.	6	10	10	10	9	3	☂	●	●	●0	...	...	bc to o *a*:o *p*:frequent showers:≋(gusts) [▲●≋ (gust) 13h. 50m
16	Ci.St.:A.Cu.: Fr.Cu.:St.Cu	Fa.Ci.:Cu.Nb.:Fr.Cu.	A.Cu.:Nb. : Cu.Nb.:St.Cu.	5	10	4	6	7	1	☂	...	...	...	...	...	b to o : T 12h.48m., ●▲p 12h. 35m., Line
17	A.St.:Nb.:Fr.Nb.	Cu. Nb. : Cu.	Cu.	9	7	5	4	5	7	●0 ☂	...	...	...	...	≡0	b to o : ● ▲ p 10h. 35m.–45m., ● p0 15h.
18	St. Cu.	St. Cu.	Nb. : St. Cu.	8	8	10	10	10	10	...	...	...	...	8	≡0	c to o.
19	St. Cu.	St. Cu.	St. : St. Cu.	10	10	10	10	10	10	≡0	d	...	...	...	...	om to o : ● d_0 9 h.
20	A.Cu.:St.:St.Cu.	A.St.:Fr.Cu.St.Cu.	St. Cu.	9	10	10	–	10	10	...	...	...	—	...	...	o : ● p_0 20h. 15m. < 21h. 30m.
21	A. St. : St. Cu.	A. Cu. : St. Cu.	A. Cu. : St. Cu.	10	10	10	10	7	7	☂	...	...	...	...	8	ow to cz.
22	A. St. : Nb.	St. Cu.	St. Cu.	10	10	8	4	10	10	≡0	≡0	...	...	...	≡0	om *a* : bc to omo *p* :
23	A.St.:St.Cu.:Fr.Nb.	A. St. : Nb.	A.St.:Nb.:Fr.Nb.	10	10	10	10	10	10	...	...	●	●	●	≡0	▲ ● p 10h.35m. & 13h.35m. : o to or *a*
24	—	Cu.	Cu.	0	3	6	8	4	< 1	≡0	8	...	...	...	...	bm to bc *a* : bc to c *p* : [o to orm *p*
25	A.St.:Nb.:Fr.Nb.	A. Cu. : St. Cu.	A. Cu. : St. Cu.	10	10	9	6	6	3	≡0	...	...	...	...	...	● 5h.45m.–6h.5m. : om to or *a* : o to bc *p*
26	Ci. St. : A. Cu.	St. Cu. : Cu.	A. Cu.	7	7	7	5	2	8	☂	8	8	—	8	8	⊏, bm to cz.
27	Ci.:Ci.St.:Fr.Cu.:St.Cu.	A. St. : St. Cu.	A.Cu.:St.Cu.:Cu.	7	6	10	–	6	10	≡0	≡0	8	—	...	≡0	● 5h.–6h. : bc to cz *a* : oz to c *p* :
28	A.St.:Nb.:St.Cu.	Cu.:St.Cu.:Fr.Cu.	A.St.:St.Cu.:St.	10	10	8	10	10	10	≡0	●0	...	●0	...	●0	or to c *a* : c to or *p* : ● *n* :
29	Nb. : Fr. Nb.	Nb.	Nb.	10	10	10	10	10	10	≡0	●0	●0	●0	●0	●0	omr to om *a* : omr to omd *p* :
30	St.	Cu.	A.Cu.:St.Cu.:Fr.Cu.	10	10	6	6	6	10	≡0	≡0	8	8	≡0	≡0	om to bcz *a* : bcz *p* : o *n* :
31	St. : Fr. St.	St. Cu.	St. Cu.	10	10	10	10	10	10	≡0	≡0	8	8	8	≡0	om *a* : om to cz *p* :
Mean Cloud Am'nt				7·5	8·3	7·7	7·6*	7·0	6·5							

474. Richmond (Kew Obs.). **June, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. : St. Cu.	A. St. : St. : St. Cu.	A. St. : St. : St. Cu.	10	10	10	10	10	10	≡0	≡0	8	8	8	≡0	om to oz.
2	A.St.:Nb.:St.Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	≡0	≡0	8	8	8	8	● d_0 6h. 45m. : om to oz.
3	Ci. : Ci. St.	—	A.St.:St.:St.Cu.	5	0	0	–	10	10	☂	☂	8	—	...	...	bw to bcm *a* : bz to o *p* :
4	Cu. : Cu. Nb.	St. Cu.	Fr. Cu. : St. Cu.	8	9	10	10	10	10	...	...	...	...	...	...	●0 oh. 50m.–1h. 30m. : c to o *a* : o *p* :
5	A.St.:St.:St.Cu.	A St. : Cu.	Ci St. : A. St.	10	10	9	7	8	10	☂	d_0	8	...	...	≡0	☂, om to omd *a* : oz to c *p* :
6	A.St.:St.Cu.:Nb.	A.St.:Cu.Nb.:St.Cu.	A.St.:Nb.:Fr.Nb.	10	10	10	10	10	10	●0	≡0	p ●0	p ●0	d_0	≡	or_0 to om *a* : o to odm *p* : ≡ *n* :
7	A.St.:St.:Fr.St.:Cu.Nb.	St. Cu.	A.Cu.:A.St.:St.Cu.:Cu.	9	8	10	10	10	3	☂	≡0	...	...	...	☂	or_0m to c *a* : o *p* : bmw *n* :
8	Ci.St.:A.Cu.:St.:St.Cu	A. Cu. : St. Cu.	A. St. : Fr. Nb.	10	10	8	8	10	10	☂	≡0	...	...	q	...	☂, o *a* : cq to o *p* : ● p_0 17h. 25m.
9	St. : St. Cu.	St. : St. Cu.	A.St.:St.:St.Cu.	10	10	10	10	10	10	...	...	...	...	...	...	o *a* & *p* :
10	Ci.St.:A.Cu.:St.:St.Cu.St.	Ci.St.:Ci.Cu.:Cu.	Ci. Cu.	8	10	5	–	3	3	...	...	...	—	...	...	o to bc *a* : bc to b *p* :
11	Ci. Cu.	Ci.St.:St.Cu.:Cu.	Ci. Cu.	4	8	9	4	4	< 1	☂	☂	...	...	...	...	☂, bc to o *a* : o to b *p* : ⊕ 13h.
12	Ci.	Ci.St.:A.Cu.:Det.Cu.	A. St. : St. Cu.	4	9	10	10	10	10	☂	☂	...	...	...	...	☂, b to o *a* : o *p* : ● 21h.–22h. 30m.
13	Cu. : St. Cu.	Ci. St. : Det. Cu.	Ci. St. : St. Cu.	10	10	9	7	7	10	...	...	...	...	...	...	om to c *a* : o to bc *p* :
14	A. Cu. : St. Cu.	A. Cu. : St. Cu.	A. Cu. : Cu.	10	8	9	7	4	10	...	...	...	...	...	≡0	o to c *a* : o to bc *p* :
15	A.St.:A.Cu.:St.Cu.	A. St. : St. Cu.	A.St.:St.Cu.:Nb.	10	10	10	10	10	10	...	...	...	●	...	...	o *a* & *p* : ● 13h. 45m.–16h. 15m.
16	A.St.:St.Cu.:Nb.	A.Cu.:A.St.:St.Cu.:Nb.	A.Cu.:A.St.:Cu.:Nb.	10	10	9	9	9	10	d_0	d_0	...	...	...	≡0	o *a* : o to c *p* :
17	A. Cu. : St. Cu.	St.Cu.:Cu.:Cu.Nb.	Ci.St.:A.Cu.:St.Cu.:	3	5	7	–	8	2	☂	...	...	—	...	≡0	b to c *a* : bc to o *p* :
18	A. St. : St.	Ci. St. : Cu.	St. Cu.	10	10	10	10	9	9	☂	●0	...	...	...	≡0	o to c *a* : o *p* : ● 10h. 30m.–11h. 15m.
19	Nb.	St. Cu.	St. Cu.	10	10	10	7	7	10	≡0	d	...	...	...	≡0	● 6h.–7h. : om to o *a* : o to c *p* :
20	A. St. : St. Cu.	A. Cu. : St. Cu.	St. Cu.	10	10	10	9	10	9	≡0	p ●0	...	...	...	≡0	op to om *a* : oy *p* : c to om *n* :
21	Ci.Cu.:Ci.St.:St.Cu.	A St.Cu.:St.Cu.:Cu.Nb.	A. St. : St. Cu.	3	8	10	10	10	10	≡0	8	...	...	●0	≡0	bm to bz & cz *a* : o to op & om *p* & *n* :
22	Ci.Cu.:Ci.:St.Cu.	A. Cu. : St. Cu.	Ci. : St. Cu.	8	10	8	8	8	3	☂	...	...	...	...	≡0	o to cy *a* : cy to bm *p* & *n* :
23	Ci. Cu.	Cu.	Ci. Cu. : Cu.	1	2	1	4	3	7	☂	...	...	...	...	...	bwz to b *a* : bcy *p* : by to c *n* :
24	A. Cu.	A.Cu.:St.Cu.:Cu.	A. St. : St. Cu.	7	5	9	–	10	10	...	...	...	—	...	...	bc to c, bc to c & oy *a* : oy to o *p* & *n* :
25	St. Cu.	A. St. : Nb.	A.St.:Cu.Nb.:St.	10	10	10	10	10	10	...	...	●0	●	≡0	≡0	o : ● 15h.–15h. 30m., ●0 21h.–22h. : om *n* :
26	A. St. : St.	A. St. : Nb.	A. St. : Cu.	10	10	10	6	7	2	☂ ☂	...	●0	...	...	≡0	om to odm *a* : odm to bc *p* : c to bmw *n* :
27	A. Cu.	A.Cu.:A.St.Cu.:St.Cu	A. St. : St. Cu.	9	8	10	9	10	4	☂ ≡	≡0	...	...	...	...	bmw to om *a* : o & oy to bc *p* : bc to b *n* :
28	St. Cu. : Nb.	A.Cu.:A.St.:St.Cu.	St. Cu. : Cu.	10	2	10	10	9	10	☂ ≡	8	...	...	8	☂ 8	omw to bz to oy *a* : ozw *p* : ozw to bzw *n* :
29	Ci. St.	Cu.	Cu.	1	0	5	5	2	2	☂ ≡	8	...	...	8	☂ ≡	bwmz to bczy *a* : bmw *n* :
30	Ci. : Ci. Cu.	A.St.:St.Cu.:Det.Cu.	A. St. : Nb. : St.	5	6	10	10	10	9	☂ ☂	...	...	...	...	...	bfw to bczw:bc to oy *a*: op$_0$ to o *p*:o to bc *n*:
Mean Cloud Am'nt				7·8	7·9	8·6	8·5†	8·3	7·8							

* Mean of 27 days. † Mean of 26 days.

475. Richmond (Kew Obs.). July, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	St. Cu.	A. St. : St. Cu.	St. Cu. : Cu.	10	8	10	–	7	10	...	...	...	—	...	...	o to bc & o
2	Ci.Cu.:A.Cu.:St.Cu.	A.Cu.:A.St.:St.Cu.	A. Cu. : St. Cu.	7	4	10	10	8	4	≡⁰	...	...	...	...	...	c to bcz to oy *a* : cy *p* : bc *n* :
3	A. Cu. : St. : Fr. St.	A. St. : St. Cu.	St. : St. Cu.	9	10	10	10	10	10	*p* ≡⁰	...	...	●⁰	...	...	omfw to o *a* : or to o *p* : o *n* :
4	A. Cu. : St. Cu.	A. Cu. : Cu.	Fr. Cu.	8	10	4	4	<1	1	...	...	...	...	...	...	o to bc *a* : bc to b *p* :
5	Ci.:Ci.Cu.:Ci.St.	Cu.	St. Cu.	3	8	3	0	2	0	*p*	...	...	...	∞⁰	∞⁰	bm to c *a* : b to bz *p* :
6	...	...	...	0	0	0	0	0	0	...	...	...	...	...	...	bz to b
7	A. Cu. : St. Cu.	A. Cu.	Ci.Cu.:Ci.:A.Cu.:St.Cu.	7	9	6	6	6	9	∞	...	...	...	...	...	cz to bc *a* : bc to o *p* :
8	St. : St. Cu.	Ci. : Cu.	Cu.	10	10	7	–	3	1	...	...	()	—	()	...	o *a* : o to b (): *p* : [on 10th
9	Ci.	Ci. : Cu.	Ci. Cu. : A. Cu.	1	<1	<1	1	4	9	*p*	∞	...	...	...	≡⁰	bw to b *a* : b to om *p* : ☈² 21h.45m.–4h.30m.
10	A.Cu.:St.Cu.:Cu.Nb.	Ci. : Ci. St.	A. St. : Cu. Nb.	7	9	7	4	10	5	≡⁰	≡⁰	...	...	T	...	☈ 7h.15m.–8h.15m. & 18h.30m.–19h. ▲ [18h. 35m.
11	A. Cu.	Fr. Cu.	Cu.	2	1	0	0	0	2	*p*	*p* ≡⁰	∞	...	...	*p*	bm to b
12	...	...	Ci. : Ci. St. : A. Cu.	0	0	0	0	5	1	*p*	∞	...	...	∞	∞	bwm to bz *a* : b to bcz *p* :
13	A. Cu. : A. St.	...	Ci. St.	2	1	0	0	0	0	*p*	∞	...	...	...	...	bz to b
14	A.St.:St.:St.Cu.	A. Cu. : St. Cu.	A. Cu. : Cu. Nb.	10	10	7	8	3	2	d_0	...	...	...	...	*p*	od to c *a* : c to b *p* :
15	A. Cu. : Cu.	Cu. : Cu. Nb.	Ci.:Ci.Cu.:Cu.:Cu.Nb.	3	7	8	–	7	10	*p*	...	...	—	...	u	bw to c *a* : o to bc *p* : d 21h. 45m.
16	A.St.:Nb.:St.Cu.	Cu.	Cu. : St. Cu.	10	10	6	5	8	4	...	...	...	...	...	...	om to omp *a* : bc to c
17	St. Cu.	A.St.:St.Cu.:Nb.	St. Cu. : Ma. Cu.	9	8	10	10	10	10	...	...	...	...	...	...	o to c *a* : o to op *p* :
18	A. Cu. : Cu.	A.Cu.:St.Cu.:Cu.	A. Cu. : Cu.	5	6	8	9	7	9	...	...	...	...	...	...	op to bc *a* : cy to oy *p* : [to b & or *a* : omd *p* :
19	Ci. : Ci. St.	A. St. : Fr. Nb.	A. St. : Nb.	4	2	10	10	10	10	*p*	...	...	...	...	...	● 12h.30m.–13h., 13h.30m.–14h.20m.:bcwz
20	A. St. : St. : Fr. St.	Fr. Cu.	...	10	6	1	0	0	0	...	...	...	...	...	...	o to c & bc *a* : b to by *p* : b *n* :
21	St. Cu.	Cu.	Cu.	9	8	5	4	3	3	...	...	...	...	...	...	b to c & o *a* : bcy to b *p* : b *n* :
22	St. Cu. : Cu.	St. Cu.	Ci. : Ci. haze	8	10	9	–	3	2	...	...	...	—	...	...	c to o *a* : c to bcy & by *p* : b *n* :
23	Ci.:Ci.Cu.:A.Cu.:St.Cu.	Ci.St.:A.St.:Fr.Cu.	St. : St. Cu.	8	5	10	10	10	10	...	...	...	...	...	...	●⁰ 14h.5m., ● 14h.15m.–15h., 19h.45m.– [21h. 5m., d 19h. 30m. :
24	Ci.St. : Ci.Cu. : A.St. : Cu.	Ci. : Cu.	Ci. : Cu.	3	5	7	5	3	1	≡⁰	...	...	...	...	...	bm to bc & cy *a* : by to b *p* :
25	A.St.:Nb.:St.Cu.	Nb.	Ci. : St. Cu. : Nb.	10	10	10	10	9	2	...	...	...	...	...	...	o to omd & orm *a* : odm to o *p* : o to b *n* :
26	Ci. : Cu.	Cu. : St. Cu.	Ci. St. : Cu.	2	5	7	6	3	1	...	...	...	...	...	...	b to bc & c *a* : b to bc *p* : b *n* :
27	Ci. : Al. Cu.	A. Cu. : Cu.	A.St.:St.Cu.:Fr.St.	4	2	8	10	10	9	*p* ≡⁰	...	...	...	...	...	bcwz to cy *a* : od_0 to oy & o *p* : o *n* :
28	A.St.:Fr.Nb.:St.Cu.	Nb. : St. Cu. : St.	A.Cu.:St.Cu.:Nb.	10	10	10	7	9	2	...	...	...	...	...	...	op to o, od_0 & or *a* : cur to o *p* : ☊ 19h. 30m. :
29	A. Cu. : Fr. Cu.	A.St.:St.Cu.:Cu.Nb.	A. St. : St. Cu.	2	4	10	–	10	10	...	...	...	—	...	...	b to bc & o *a* : oy to o *p* : c to or & c *n* : [b *n* :
30	Ci.St. : A.Cu. : Fr.Cu. : Cu	A.Cu.:A.St.:Fr.Cu.	St. Cu. : Nb.	7	9	9	10	10	10	...	...	...	...	...	...	c to o *a* : oy, op to od *p* : or *n* :
31	Ci.:Al.Cu.:Cu.:Fr.Cu.	A.St.:Nb.:St.Cu.	Nb.	7	10	10	10	10	3	...	...	...	...	...	...	c to o *a* : or to op *p* : or to b *n* :
Mean cloud m'nt				6·0	6·4	6·5	5·7*	5·8	4·8							

476. Richmond (Kew Obs.). August, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	A. Cu.	Cu.	A. Cu. : Cu.	2	3	5	5	1	8	...	...	...	...	...	...	or to c & b *a* : bcy () *p* : b () y to c *n* :
2	A.Cu.:Fr.Cu.:St.Cu.	Ci.Cu.:Ci.St.:A.Cu.:A.St.	Ci. St. : Cu.	8	2	8	10	2	1	...	...	...	...	...	...	c to bc & b *a* : c () y–op$_0$ *p* : c–bc–b *n* :
3	Ci.Cu.:Ci.St.:Cu.	Cu.	...	3	5	5	2	<1	1	...	...	...	...	...	...	b to bcy & by () *a* : bc to b () *p* : b *n* :
4	...	Cu.	Ci. : Ci. St. : A. Cu.	0	0	5	3	7	0	*p*	...	...	...	...	...	bw to b, bcy to c *a* & *p* : bc to bw *n* :
5	A. Cu.	Ci. : Ci. St.	Ci. : Ci. Cu. : St. Cu.	1	3	4	–	7	2	*p* ≡⁰	...	...	—	...	...	bzw to b & bc *a* : bcy to cy *p* : b *n* :
6	Ci. St.	Ci. St.	Ci. Cu. : A. Cu.	1	2	8	8	7	1	*p* ≡	...	...	...	...	...	bwm to bz, bc to oy *a* : cy () to bc *p* : b *n* :
7	A. Cu. : A. St.	Ci. St. : Cu.	Ci. : Ci. St. : Cu.	5	3	8	6	3	3	*p* ≡⁰	...	...	...	...	...	bcwm to b, c to bc () *a* : bc () to b *p* :
8	Ci. : Ci. St.	Ci. Cu.	...	3	4	7	5	0	1	*p* ≡⁰	...	...	...	...	...	bwm to bc *a* : cy to bcy *p* : by to b *n* :
9	...	...	Cu. Nb.	0	0	0	5	7	8	*p* ≡⁰	...	...	...	...	...	bmw to by *a*:bcy to cu *p*:cu to bc *n*:●⁰ p [18h.16m., 18h.40m. & 9h.40m.
10	A. Cu. : Cu. : St.	Ci. Cu.	Ci. Cu.	7	3	7	9	5	4	*p* ≡⁰	...	...	...	...	...	cmw to b & cy *a* : bcy to bc *p* : c to b *n* :
11	A. Cu. : Det. Cu.	Ci. : A. St. : A. Cu.	Ci.	2	4	9	9	5	1	≡⁰	...	⊕	...	...	...	b, bc to bm *a* : oy to bcy *p* : ⊕ 13h. b *n* :
12	Ci. St. : Ci. Cu.	Cu.	Ci.	3	4	3	–	3	2	...	...	...	—	...	...	bfw to bzw, bcy to by *a* : by to b *p* :
13	...	Cu. : St. Cu.	St. Cu. : Fr. Cu.	0	1	8	8	7	1	≡⁰	...	...	...	...	...	bzw to b, b to cy *a* : cy to b *p* : b *n* :
14	A. Cu. : A. St.	St. Cu. : Cu.	Ci. Cu. : Cu.	6	6	7	8	2	3	≡⁰	...	...	...	...	...	bcmw to bcz, oz *a* : czy to b *p* : o to b *n* :
15	A. St. : Nb.	Cu.	Cu.	10	10	5	4	0	0	≡⁰	...	...	...	...	...	● 5h.30m., opm to omr, odm to bcy *a* : bcy [to b *p* :
16	Ci. : A. St.	Ci.St.:Ci.Cu.:Cu.	St. Cu.	7	9	8	8	10	10	*p* ≡	⊕	...	...	...	...	cmw to o, o to cy *a* : cy to oy *p* : o *n* :
17	A.Cu.:St.Cu.:St.Nb.	A.St.:St.:Cu.Nb.	Cu.	10	10	10	10	4	6	...	...	...	...	...	...	o *a* : o to bc *p* : ● 16h.25m.–50m. ☊
18	St.Cu.:Nb.:Fr.Nb.	A.St.:Fr.Nb.:Fr.Cu.	A. Cu. : Nb. : Cu.	10	8	9	9	8	1	...	...	●⁰	●	...	...	o to c *a* : o to c *p* : ☈12h.15m.–50m. &
19	Ci.Cu.:A.Cu.:St.	St.Cu.:Cu.:Cu.Nb.	A. St. : St. Cu.	6	9	9	–	10	10	...	...	...	—	...	...	bc to o *a* : o to c *p* : [13h.55m. ● *p* :
20	A.St.:St.Cu.:Nb.	St. Cu.	A.St.:Fr.Cu.:Nb.	10	10	10	10	10	9	d_0	≡⁰	...	...	...	...	om to o *a* : o *p* :
21	A.St.:Fr.St.:St.Cu.	St. Cu.	Cu.	10	8	10	10	1	1	u	...	q	...	...	...	ouq to c *a* : oqd to b *p* :
22	A. Cu. : Cu.	Cu.	Ci. Cu.	2	7	4	5	1	0	...	...	...	...	...	...	bw to c *a* : bc to b *p* :
23	Ci. : St. Cu.	St. Cu.	A. St. : Nb.	2	8	10	10	10	10	*p*	...	()	●⁰	●⁰	●	bmw to o() *a* : o () to or *p* : ● *p* & *n* :
24	Ci. : S . Cu. : St.	Cu. Nb. : Nb.	A.Cu.:A.St.:Cu.Nb.:Nb.	7	9	10	10	9	2	≡⁰	●	☈	●⁰	...	...	bm to otlr, ● *a* & *p* : ☈ 12h.40m.–13h.
25	Ci. : Ci. St.	A.Cu.:Cu.:St.Cu.	St. Cu.	1	10	10	10	10	10	*p*	∞	...	...	...	...	bmw to oz *a* : o *p* : ●⁰ *n* :
26	A.St.:St.Cu.:Fr.Nb.	Ci.Cu.:Ci.St.:St.Cu.:Cu.Nb	St. Cu. : Nb. : Cu.	10	9	9	–	3	0	...	...	...	—	...	...	o *a* : o to b *p* : ●⁰ 5h.30m., 8h.10m. & 10h.
27	A.Cu.:St.Cu.:Cu.:Fr.Cu	Cu. Nb.	Nb. : Cu. Nb.	4	6	9	5	8	8	*p*	...	p ●	...	p ●	...	bc to o () *a* : op to bc *p* : T *p* ●² ▲ 16h. 15m.
28	Fr. Cu.	Ci. Cu. : St. Cu.	Ci. Cu. : A. Cu. : Cu.	<1	6	8	8	4	3	...	...	...	...	...	...	b to o *a* : c to bc *p* :
29	A.St.:Nb.:Fr.Nb.	A. St. : Nb.	Ci. : Nb. : Cu. : Nb.	10	10	10	10	9	8	●⁰	●⁰	●	d	●⁰	q	orm to om : T 15h.45m. ⛆(gusts)18h. & 23h.
30	...	Cu.	Fr. Cu.	0	1	2	6	2	0	q	q	q	...	...	*p*	⛆ (gusts) oh.35m.–2h.10m. : bq to bc
31	...	Ci. Cu.	A.Cu.:St.Cu.:Fr.Nb.	0	3	7	9	7	1	≡⁰	...	...	...	...	*p*	b to c *a* : o to c *p* : ●⁰ 16h.30m., ● p 17h.15m.
Mean cloud m'nt				4·5	5·6	7·2	7·5†	5·3	3·7							

* Mean of 26 days. †Mean of 27 days.

477. Richmond (Kew Obs.). **September, 1923.**

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	Ci.Cu.:Ci.St.:A.Cu.	Cu. : Cu. Nb.	Ci. : A.Cu. : Cu. Nb.	4	5	5	6	3	3	≡⁰	≡⁰	…	…	…	…	♑, bm to op *a* : bc to cp *p* :
2	…	A.Cu. : St.Cu. : Cu.	St. Cu. : Fr. Nb.	0	<1	9	–	9	2	♑	♑	…	—	…	≡⁰	bw to o *a* : o to bc *p* : bwm *n* :
3	A. Cu.	Cu.	Ci. : Cu.	1	0	4	6	6	0	♑	≡⁰	…	…	…	♑	≡, bwm to o *a* : bc *p* :
4	A. St. : Fr. Nb.	Nb.	Ci.:Ci.St.:St.:Fr.St.	9	10	10	10	7	1	…	…	●⁰	d	≡⁰	…	bw to orm *a* : or to cm *p* : b to om *n* :
5	A. St. : St. : Fr. St.	Ci. : Ci. haze	Ci.	10	10	7	1	1	0	≡⁰	≡⁰	…	…	…	♑	om to c *a* : c to b *p* :
6	St.	Cu.	…	10	10	3	0	0	0	≡	≡⁰	…	…	…	♑	bw to ofw & b *a* : b *p* & *n* :
7	Nb.	A. St. : St. : St. Cu.	St. Cu.	10	10	10	6	6	8	d_0	…	…	…	…	…	omd_0 to o *a* : o to bc *p* :
8	…	…	Ci.	0	0	0	1	<1	0	♑	≡⁰	∞	≡	∞	…	≡, bfw to bz *a* : bz to b *p* : bm to bfw *n* :
9	…	Cu.	A. Cu. : Cu.	0	3	4	–	2	<1	♑	≡⁰	…	—	…	≡⁰	≡, bfw to bc *a* : bc to b *p* : bw to om *a* :
10	Cu. : St. Cu.	Cu.	Fr. Cu. : St.	9	4	5	7	8	10	♑	♑	…	≡	∞	…	bw to om *a* : bc to cz *p* : o to om *n* :
11	A. St. : St.	Cu.	Ci. : Cu.	10	10	5	1	1	0	♑	≡⁰	…	…	…	…	omw to bc *a* : bc to b *p* : b to o *n* :
12	St. Cu.	Ci.	Ci. : Ci. St.	9	5	4	4	5	0	…	…	…	…	…	…	ow to bc *a* : bc *p* : b to ofw *n* :
13	St.	A. Cu.	A. Cu. : Cu.	10	6	6	8	3	10	…	…	…	…	…	…	ofw to bc *a* : bc to c *p* : o *n* :
14	A. St. : St. : Fr. St.	Ci. : St. : Fr. Cu.	A. Cu. : St. : Fr. Cu.	10	8	7	9	9	10	…	…	…	…	…	…	o to c *a* & *p* :
15	Fr. Cu.	A. St. : Nb.	A. St. : Nb. : St. Cu.	<1	3	10	4	6	0	≡⁰	…	…	…	…	…	bm to o *a* : or_0 to bc *p* : bw *n* :
16	…	Cu.	Cu. : St. Cu.	0	<1	3	–	4	0	♑	♑	…	—	…	♑	bw to b *a* : b to bc *p* : bwm *n* :
17	Ci.	Ci. : Fr. Cu.	Ci. : A. St.	1	6	3	5	2	1	♑	♑	…	…	…	♑	bwm to b *a* : b to bc *p* :
18	A. St. : St. : St. Cu.	Ci. : Cu.	Ci. Cu.	9	2	6	9	1	1	♑	…	…	…	…	…	● 3h. 20m.–4h. 50m., b to ortl *a* : o to b *p* :
19	…	A. St. : St. Cu.	A. Cu. : Nb.	0	0	10	10	10	9	♑	…	…	…	d_0	…	bw to o *a* : o to or *p* : ● p 11h. 45m. & [15h. 10m.
20	St. Cu.	St. Cu.	A. St. : St. Cu.	1	1	10	8	10	9	…	…	…	…	…	…	●⁰ oh.50m.–1h.15m., ● p 2h.30m., or to [b *a* : o to c *p* : ● *n* :
21	A.Cu.:St.Cu.:Fr.Cu.	Nb. : St. Cu.	Cu. : Fr. Cu.	3	10	10	9	1	<1	≡⁰	d_0	…	…	…	≡⁰	● oh.–4h.15m., ● p 12h.10m., or to bm *a* :
22	Ci.Cu.:A.Cu.:St.Cu.	A.St. : Nb. : St.Cu.	A. St. : Nb. : Cu.	7	10	10	10	10	10	…	…	…	…	…	…	c to or *a* : o to our *p* : o to or_0 *n* : [o to b *p* :
23	Ci. : Nb. : St. Cu.	Ci.:Ci.St.:Cu.:Cu.Nb.	A. St. : St. Cu.	5	5	7	–	9	6	u	…	…	—	…	…	bc to op *a* & *p* : bc to bmw *n* :
24	St. Cu.	A. Cu. : Cu.	A.St. : St. : St.Cu.	<1	5	9	8	10	10	≡⁰	≡⁰	…	…	…	…	bmw to o *a* : o to c *p* : ● 20h.30m.–22h.40m.
25	Cu.	Ci. : A. Cu.	St. Cu. : Nb.	<1	3	4	4	10	9	…	…	…	q	q	q	● oh.15m.–3h.30m., 10h.40m. & 12h., orq [to b *a* : bc to oq *p* :
26	Ci. : Cu. : St. Cu.	St. Cu.	St. : St. Cu.	3	4	10	10	9	9	♑	…	…	…	≡⁰	≡⁰	bw to o *a* : o to om *p* : om *n* :
27	A. St. : St.	A. St. : St. Cu.	Ci. St. : A. St.	10	4	7	9	10	8	♑	♑	…	…	…	…	omw to bc *a* : o *p* : c to bcw *n* :
28	A.St.:A.Cu.:St.Cu.	Ci. : St. Cu.	A.Cu.:St.Cu.:Fr.Cu.	7	3	10	10	10	10	♑	…	…	…	…	…	bcw to o *a* : o *p* :
29	St.	St. Cu.	St. Cu.	10	10	10	10	10	10	♑	≡⁰	…	…	≡⁰	≡⁰	omw to o *a* : o to omw *p* :
30	St. Cu.	Cu. : St. Cu.	A. St.	10	10	9	–	1	0	♑	♑	…	—	…	≡⁰	omw to o *a* : o to b *p* : bw to ofw *n* :
Mean Cloud Am'nt				5·4	5·3	6·9	6·6*	5·8	4·6							

478. Richmond (Kew Obs.). **October, 1923.**

																[23h. 45m. : ofw to odm
1	St.	Nb.	St. : Nb.	10	10	10	10	10	10	≡	≡⁰	●⁰	●⁰	≡⁰	≡⁰	● 12h. 55m.–14h., 14h. 55m.–15h. 5m.,
2	Ci. : St. Cu.	Ci.St.:St.Cu.:Nb.	St.	1	5	10	10	10	10	≡⁰	…	●⁰	…	…	●⁰	● 2h.–2h. 10m., 18h. 25m.–20h. 5m., [20h. 50m. : bm to or
3	A. St. : St. Cu.	Nb.	Nb.	10	10	10	10	10	10	≡⁰	●⁰	●	●	●	…	● 10h. 50m.–19h. 50m. : om to orm : o *n* :
4	Cu. : Nb. : Fr. Nb.	St. Cu.	St. Cu.	8	10	9	6	3	1	…	…	q	…	…	…	o *a* : ⚍ (gust) 10h. 10m. : bc to b *p* :
5	Ci. : St. : St. Cu.	A. St. : St. Cu.	St. : St. Cu. :	8	8	10	9	10	8	≡⁰	≡⁰	∞	∞	≡⁰	…	≡⁰ ⌊, bc to oz *a* : oz to c *p* :
6	St. : Fr. St.	St. Cu.	A. St. : St. Cu.	10	10	10	6	9	4	♑	≡⁰	…	…	∞	…	●⁰ early : om to o *a* : bc to oz *p* :
7	A. Cu. : St. Cu.	A.St. : St.Cu. : Cu.	A.St. : St. : St.Cu.	7	10	10	–	10	10	♑	≡⁰	≡⁰	—	≡⁰	●⁰	bw to om *a* : om to cm *p* : ● *n* :
8	…	Ci. St. : Cu.	St.	0	5	4	9	10	10	♑	≡⁰	…	…	≡⁰	●⁰	● early : o to bm *a* : bc to om *p* : ● *n* :
9	A.St.:St.Cu.:Fr.Nb.	Ci.Cu.:A.Cu.:St.Cu.	St. Cu.	10	10	7	7	5	3	()	●⁰	…	…	…	…	● till 1h.20m. : o() to od *a* : c to bc *p* : d 19h.
10	St. : St. Cu.	Nb.	Nb.	10	10	10	10	10	10	…	≡⁰	●⁰	≡⁰	≡⁰	…	op_0 to om *a* : omd to om *p* :
11	A.Cu. : St. : St.Cu.	A.St.: St.Cu.: Nb.	A. St. : St. Cu.	10	10	10	10	10	10	…	…	…	●⁰	≡⁰	≡⁰	● early : or to o *a* : o to or_0m *p* :
12	Nb.	Nb.	A.Cu. : Nb. : St.Cu.	10	10	10	10	8	1	●	●	●	●	≡⁰	…	● 4h.30m.–15h.30m. : omr *a* : omr to bc *p* :
13	A.St. : A.Cu. : Nb. : Fr.Cu.	Fr. Cu.	Fr. Cu.	8	2	8	6	8	1	p_0 ●	…	…	…	…	♑	cp_0 to b *a* : c to bc *p* : ♑ *n* :
14	Cu.	Cu. Nb.	St. : St. Cu.	1	2	5	–	3	0	♑	≡⁰	…	—	≡⁰	♑	⌊⌊, bx to orhp *a* : bc to bm *p* : ●▲ p
15	…	Cu.	A. St. : Cu. : St.	0	0	4	4	3	1	≡⁰	≡⁰	…	…	≡⁰	…	⌊⌊ ≡⁰ : bm to bc [12h.30m.–45m.
16	A. Cu. : St. Cu. : St.	St. Cu.	St. Cu.	8	9	10	6	10	5	≡⁰	≡⁰	…	…	≡⁰	≡⁰	⌊ ≡⁰ : cm to o *a* : o to bc *p* : ♑ *n* :
17	Fr. Cu. : St. Cu.	St. Cu.	St. Cu. : St.	2	8	10	10	10	10	≡⁰	≡⁰	…	≡⁰	≡⁰	≡⁰	● p 2h.45m. : bm to o *a* : o to om *p* : [d *n* :
18	A.St.:A.Cu.:Ma.Cu:St.Cu	A.Cu.: A.St.: St.Cu.	A. St. : St. Cu.	10	10	9	10	10	10	≡⁰	●⁰	…	∞	∞	≡⁰	●⁰ 9h.–11h.10m., om to omr_0 *a* : o to op *p* :
19	Ci.Cu.: St.Cu.: Fr.Cu.	A.St.: Nb.: St.Cu.	St.	8	10	10	10	10	10	…	…	●⁰	●	≡⁰	≡⁰	c to or_0 *a* : o to or *p* : ● 13h. 35m.–15h. 20m. [& 17h. 10m.–21h. 20m.
20	St.	Ci. : Ci.St.: Cu.:Fr.Cu.	Ci. St. : St. Cu.	10	6	8	8	9	10	≡⁰	≡⁰	…	…	…	…	●1h. 5m.–5h. : om to bcm *a* : c to o *p* :
21	A. St. Nb.	A.St. : Nb. : St.Cu.	A. Cu. : Nb.	10	10	10	–	9	<1	●	≡⁰	●	—	●	…	orq to o *a* : o to orm *p* :
22	Ci.: Ci.Cu.: St.Cu.	Fr. Cu. : St. Cu.	Fr. Cu.	2	5	9	5	1	0	…	…	…	…	…	≡⁰	b to oq *a* : oqr to bc *p* : ●² 13h. 40m., [T 14h.20m., ⚍(gust) 13h.45m.
23	A.Cu.: St.: Fr.St.	A. St. : Fr. Nb.	St. Cu.	10	10	10	10	1	0	…	…	●	…	…	…	ou to or *a* : orq to b *p* : ⊓ 23h. 30m.
24	Ci.St.: St.: St.Cu.	Cu.	St. Cu.	9	<1	6	4	3	1	≡⁰	…	…	…	…	≡⁰	♑ ● p 6h. & 7h. 5 m., omp to b *a* : bc to b *p* :
25	Fr. St.	St. Cu. : Cu. Nb.	Nb. : St. Cu.	1	1	9	5	7	0	…	…	…	…	●	…	b to oqp *a* : bc to or *p* : ∩ 13h. ●▲ 18h. 10m.–20m. [6h.45m., orm to b
26	Nb.	Ci. : St. Cu. : Nb.	Cu.	10	9	9	4	0	2	●	…	…	…	…	≡⁰	●²▲ 6h. 40m., ● 6h.–7h.20m., ⚍ (gust)
27	A.St. : Nb.: St.Cu.	A.Cu.: A.St.:St.Cu.	A. Cu. : Cu.	10	10	9	7	2	9	●	●	…	…	…	●⁰	● 3h.–9h. & 11h.15m.–40m., oqr to o *a* : [o to b *p* :
28	A.St : St.Cu.: St.	Ci.: Cu.: Cu.Nb.	Ci.St.: Cu.: Cu.Nb.	8	7	7	–	8	9	…	≡⁰	…	—	≡⁰	…	c to bcm *a* : c to bc *p* : ● p 11h. 10m.
29	Ci. : St. Cu.	St. Cu.	St.	7	7	9	9	10	7	♑	≡⁰	…	…	…	…	♑, c to o : ● p_0 11h. 40m.
30	St. Cu.	St. Cu.	St. Cu.	10	10	10	10	10	10	…	…	…	…	…	≡⁰	o : ● 22h. 20m.–24h.
31	St. : St. Cu.	Cu.	…	9	2	3	4	0	0	≡⁰	…	…	…	≡⁰	≡	● oh.–3h.40m. : om to b *a* : b to bcm *p* : ≡ *n* :
Mean Cloud Am'nt				7·3	7·3	8·5	7·7†	7·1	5·6							

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.

* Mean of 29 days. † Mean of 29 days.

479. Richmond (Kew Obs.). November, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	A. St. : St. : St. Cu.	St.	St.	8	10	10	10	10	0	≡	≡	≡	≡⁰	≡⁰	≡⁰	[cf & om ≡ till 14h. : ● 9h.25m.–12h.10m. : ofw to
2	St.	A. Cu.	St. Cu.	10	10	<1	10	0	0	≡	≡	…	8	≡⁰	≡⁰	≡ till 10h., ofw *a* : bz to bm *p* : bmw *n* :
3	St. Cu.	St. Cu.	St. Cu.	10	10	10	10	9	0	…	…	…	…	…	…	bmw to o *a* : o to od *p* : b *n* :
4	…	Cu. : Fr. Cu.	…	0	0	4	–	0	0	…	…	…	⊣	…	…	b to bcy *a* : bcy *p* : b to bw *n* :
5	St. Cu.	A. St. : St. Cu.	St. Nb.	9	10	10	10	10	10	⊃	…	8	8	●	≡⁰	bw to om : ● 17h. 55m.–19h. 50m.
6	Ci. : St.	Ci. : Cu.	…	7	6	4	7	0	0	≡	≡	8	8	≡⁰	≡⁰	om to bcf *a* : bcf to bm *p* : bmx *n* :
7	…	Cu.	…	0	0	4	6	0	0	⌊	⌊	8	8	≡⁰	≡	⌊, bmx to bcz *a* & *p* : bfx *n* : [● *n* :
8	St.	…	A. Cu. : St. Cu.	10	10	0	8	3	10	≡	≡	…	8	≡⁰	●	V ≡ till 12h.45m., ofx to bm *a* : bm to cz *p* :
9	St.	St.	St.	1	10	5	10	10	10	⌊	≡	≡	≡⁰	≡⁰	≡	≡⁰	● early : ⌊, bmx to of : ● 19h. 30m.–
10	St. Cu.	St. Cu.	…	3	10	8	5	0	<1	≡	≡	8	8	8	…	bm to om *a* : cz to bz *p* : bzx *n* : [20h. 10m.
11	St. Cu.	Ci.	St.	<1	0	1	–	8	10	⌊	⌊	8	—	≡⁰	≡	⌊, bz *a* : bz to cmx *p* : ≡ *n* :
12	St.	Ci.	A. St.	10	7	9	8	5	0	≡	≡	≡⁰	≡⁰	≡⁰	≡⁰	V ≡ early : ofx to cfx *a* : om to bcm *p* :
13	A. Cu. : St. Cu.	A. St.	Nb. : St.	7	10	10	10	10	10	≡⁰	…	…	…	●⁰	●⁰	czm to oq *a* : oq to oqd⁰p ≍ (gusts) *p* & *n* :
14	A. St. : St. Cu.	Fr. Cu.	…	10	0	2	2	0	0	…	…	…	…	…	…	● oh.–4h. : or to b *a* : b *p* & *n* : [● *n* :
15	St. Cu.	A. St. : Nb.	Fr. Cu.	<1	10	10	6	1	9	⌊	≡⁰	≡⁰	…	…	●⁰	⌊, b to ormq *a* : Line q ●² ▲ 13h. 15m. : [≍ (gusts) *n* :
16	St. Cu. : St.	A. Cu. : Cu.	…	1	10	4	1	0	1	…	…	…	…	…	…	b to o *a* : b to bc *p* :
17	St. : St. Cu. :	Fr. Cu.	Ci.	10	1	3	4	1	6	●⁰	…	…	…	…	⊃	● 5h.20m.–6h., or to b *a* : b to bc *p* : ◫ *n* :
18	A. St. : St. Cu.	Cu.	Ci.St.:St.Cu.:Nb.	10	6	<1	–	8	0	⌊	⌊	8	—	≡⁰	⌊	⌊, ox to bz *a* : bz to cm *p* : ● p_0 17h.45m.
19	A. Cu. : St. Cu.	Ci. : St. Cu.	…	5	0	9	8	0	0	⌊	⌊	8	8	≡⁰	≡⁰	⌊, bm to oz *a* : oz to bm *p* : bmx *n* :
20	St. Cu.	A. Cu. : St. Cu.	St. Cu.	1	6	8	6	8	10	⌊	⌊	≡⁰	≡⁰	≡⁰	≡⁰	⌊, bm to cm
21	St. : St. Cu.	Ci. St. Cu.	Ci. St.	10	10	9	6	6	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	om *a* : om to bcm *p* : ⊕ 15h. ◫ 18h. ⌊ *n* :
22	St.	St. : Nb.	A. Cu. : St. Cu.	10	10	10	10	6	4	≡⁰	●⁰	●⁰	≡⁰	≡⁰	⌊	● 3h.–4h. : om to omd *a* : omd to bcm *p* :
23	St. Cu.	A. Cu.	St. Cu.	9	10	9	4	10	10	⌊	⌊	≡⁰	≡⁰	≡⁰	≡⁰	⌊, om *a* : om to bcm *p* :
24	St. Cu.	St.	St.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡	om *a* & *p* : ≡ ⌊ *n* :
25	St.	St.	St.	10	10	10	–	10	10	≡	≡	≡	—	≡	≡	ofx
26	St.	St.	St.	10	10	10	10	10	10	≡	≡	≡	≡	≡	≡	⌊ : ofxg 13h.
27	St.	St.	…	10	10	10	8	0	10	≡	≡	≡	≡	≡⁰	≡⁰	⌊ ofx *a* : ofx to bmx *p* : om *n* :
28	St. : Fr. St.	St. : Fr. St.	Nb.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	om ● ✳ 16h.–21h. 30m.
29	St. Cu.	St. Cu.	St. Cu.	10	10	10	9	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	…	omd_0 12h.
30	St.	…	…	10	10	0	0	0	0	≡⁰	≡⁰	≡⁰	≡	≡	⌊	⌊, omx to bm : bm to bfx *p* : ⌊ *n* :
Mean Cloud Am'nt				7·1	7·5	6·7	7·2*	5·2	5·4							

480. Richmond (Kew Obs.). December, 1923.

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.
1	A.Cu.:A.St.:St.Cu.	A.Cu.:St.:Fr.St.	A. St.	9	9	10	4	10	10	⌊	⌊	≡⁰	≡⁰	p_0	…	[& 18h. ⌊, bmx to om *a* : om to bcm *p* : ● 17h.15m.
2	A. St. : Nb.	Ci. St. : Cu.	St. Cu.	10	10	4	–	3	0	●⁰	≡⁰	≡⁰	—	≡⁰	≡	● early : or to bcm *a* : bcm to bm *p* : ≡⌊ *n*:
3	St.	…	…	2	10	0	0	0	0	≡	≡	≡⁰	8	≡	≡	≡⌊, bfx to bm *a* & *p* :
4	A. St. : Cu. Nb.	St. Cu. : Nb.	A. Cu.	10	10	10	9	1	0	●	●	≡⁰	≡⁰	≡⁰	≡⁰	● early : orm to om *a* : om to bm *p* : ●⁰ 15h.
5	St. Cu.	A. Cu. : St.	St.	9	10	10	2	10	10	⌊	⌊	≡	≡	≡⁰	≡⁰	⌊, om to of *a* & *p* :
6	St.	Fr. Cu.	St.	10	10	2	3	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡	≡	om to bm *a* : bm to of *p* : ⌊ ≡ *n* :
7	St.	A. St.	St. : Fr. St.	10	10	10	10	10	10	≡	≡	≡⁰	●⁰	●⁰	●⁰	⌊, of to om *a* : om to omr *p* & *n* :
8	A. St. : St. Cu.	A. St.	…	9	9	10	10	0	10	…	…	≡°	≡⁰	≡⁰	≡⁰	● early : o to om *a* : om to bm *p* : ≡ 19h.
9	St. Cu.	Ci. St.	…	1	0	3	–	0	0	⌊	⌊	≡⁰	—	⌊	≡	⌊, bmx to bm *a* & *p* : bfx *n* :
10	A. St.	A. St.	St.	3	6	10	10	10	10	⌊	⌊	≡⁰	≡⁰	≡⁰	≡⁰	⌊, bmx to om *a* : om to odm *p* :
11	Nb.	St.	St.	10	10	10	7	10	8	≡⁰d_0	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	●⁰ 7h., omr_0 to om *a* : om to cm *p* : d_0 *n* :
12	A. St. : St. Cu.	St. : St. Cu.	St. : St. Cu.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	●⁰ early : omr_0 to om *a* : om *p* & *n* :
13	St. : St. Cu.	Ci.St.:A.St.:St.Cu.	St. Nb.	9	8	10	10	10	10	d_0	≡⁰	p_0●	≡⁰	d_0	…	omd to om *a* : omr_0 to om *p* :
14	Ci. : Ci. St. : St.	Ci.	A. St. : Fr. St.	3	10	8	10	7	10	⌊	⌊	≡	≡⁰	≡⁰	≡⁰	⌊, bmx to of *a* : cf to om *p* :
15	St. Cu.	Ci. : Ci. Cu.	…	6	4	6	1	0	0	…	…	8	8	≡⁰	⌊	b to bcz *a* : bcz to bm *p* : ⌊ *n* :
16	St. Cu.	Ci.St. : A.Cu. : St.Cu.	St. Cu.	8	3	5	–	1	2	≡⁰	≡⁰	≡⁰	—	≡⁰	…	bmx to cm *a* : bcm to omr_0 *p* :
17	St. Cu.	St. Cu.	St. : St. Cu.	7	10	10	10	10	5	≡⁰	≡⁰	…	≡⁰	≡⁰	…	omd_0 to cm *a* : om to cm *p* :
18	Ci. Cu. : St. Cu.	St. Cu.	St. Cu.	2	1	9	8	10	1	…	…	…	…	≡⁰	…	b to o *a* : o to cm *p* : b to om *n* :
19	St. : St. Cu.	St. Cu.	Fr. Cu. : St. Cu.	9	6	10	9	6	0	≡⁰	≡⁰	8	8	≡⁰	…	om to bcm *a* : oz to bcm *p* : ✳ 16h.–16h.55m
20	St.	St. Cu.	Fr. Cu.	2	10	9	0	0	0	…	…	8	8	8	8	✳ p_0 5h. 30m. ⊠ : b to o *a* : oz to bz *p* : [14h. 30m.
21	St. Cu.	Nb.	Nb.	9	10	10	10	10	10	≡⁰	≡⁰	✳	✳	✳	✳⁰	b to oms *a* : oms to ofs *p* : ≡ after
22	Nb.	St. Cu. : Nb.	St. Nb.	10	10	10	10	10	10	≡	≡	≡⁰	≡⁰	≡⁰	…	⊠ : ●⁰ 7h.30m.–8h.25m. : ofr to om *a* & *p* :
23	St. Cu. : Fr. Cu.	Fr. Cu.	A. St. : St. Cu.	3	2	1	–	2	<1	…	…	…	—	…	…	b to bm *a* : bm to b *p* : [● *n* :
24	A. St. : Nb.	Nb.	A. Cu. : A. St.	10	10	10	10	4	2	●⁰	≡⁰	≡⁰	≡⁰	…	≡⁰	b to or_0m *a* : om to bc *p* :
25	St.	St. Cu. : St.	Nb.	1	0	9	–	10	10	≡⁰	≡	≡	—	●⁰	●⁰	bm to of *a* : or_0 *p* : om *n* :
26	St. Cu.	St. Cu. : Nb.	St. Cu. : Nb.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	om to omd_0 *a* : om *p* : ⊠ *n* : [omr *n* :
27	St. : St. Cu.	St.	St.	10	10	10	9	10	10	≡⁰	≡⁰	≡⁰	≡⁰	≡⁰	●	⊠ : ● early : omrs to om *a* : om *p* : om to
28	Nb.	Ci.St.:St.Cu.:Nb.	St.	10	10	10	9	10	10	p_0●	≡⁰	≡⁰	≡⁰	●⁰	≡⁰	ompq to omr_0 *a* : om to omr *p* : om to bm *n* :
29	…	Ci. Cu. : A. Cu.	High St. Cu.	0	6	6	9	10	10	≡	≡	≡⁰	≡⁰	≡	≡⁰	bf to om *a* : bc to om *p* : ● *n* :
30	St.	St.	Nb.	10	10	10	–	10	10	≡⁰	≡⁰	≡	—	≡⁰	≡⁰	omr to om & ofr *a* : ofr to omr *p* : om *n* :
31	St.	Nb.	St. Nb.	10	10	10	10	10	10	≡⁰	≡⁰	≡⁰	≡	≡	≡	om *a* : omd *p* : ● *n* :
Mean Cloud Am'nt				7·2	7·9	8·1	7·6†	6·9	6·4							

Day.	Cloud Forms. 7h	13h	18h	Cloud Amount (All Forms). 7h	9h	13h	15h	18h	21h	Weather. 7h	9h	13h	15h	18h	21h	Remarks.

* Mean of 26 days. † Mean of 25 days.

481. Richmond (Kew Observatory). **1923.**

DAY.	JANUARY.				FEBRUARY.				MARCH.				APRIL.				MAY.				JUNE.			
	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −
		Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.	
1	1	0·47	0·74	0·27	0	...	...	...	2	1·34	0·94	0·45	0	...	...	...	0	0·71	0·37	0·38	0	0·74	...	...
2	1	...	...	...	0	...	...	...	1	0·86	0·67	0·63	0	...	...	...	0	1·00	0·47	0·08	1	...	...	...
3	1	...	...	...	0	...	...	...	1	...	...	...	0	0·90	0·29	0·27	1	1·27	...	...	1	...	...	...
4	0	0·69	0·21	0·25	1	...	...	...	1	...	...	...	0	1·01	1·01	0·82	0	1·44	0·94	0·45	1	1·02	0·52	0·23
5	2	...	...	...	0	0·53	0·32	0·27	1	...	...	...	1	...	...	...	1	...	...	...	1	1·41	0·50	0·08
6	0	...	...	...	1	1·27	0·25	0·34	1	0·42	0·32	0·10	1	0·49	0·47	0·21	0	...	...	...	0	...	...	...
7	1	...	...	...	2	1·05	...	...	1	...	...	...	0	...	...	...	1	0·94	0·58	0·37	0	0·66	0·06	0·45
8	1	...	...	...	2	0·47	0·29	0·54	1	0·88	0·45	0·34	1	...	...	...	0	0·88	0·41	0·27	0	0·67	0·63	0·80
9	1	0·94	0·74	0·63	0	0·40	0·25	0·12	1	0·70	0·72	0·53	0	0·86	0·35	0·27	1	0·51	...	...	0	...	...	...
10	0	1·05	0·47	0·18	2	...	...	...	1	...	...	...	1	1·10	0·38	0·21	1	0·29	0·31	0·14	0	...	...	...
11	1	0·62	0·39	0·34	1	...	...	...	0	...	...	...	2	...	...	...	2	...	...	...	0	0·88	0·31	0·45
12	1	0·79	0·36	0·14	1	0·35	0·27	0·31	1	0·75	...	...	2	...	...	...	2	...	...	...	1	0·30	0·41	0·29
13	0	...	...	...	1	0·51	0·83	0·59	2	...	...	...	1	0·87	0·76	0·45	1	...	...	...	0	0·59	0·98	1·04
14	1	...	...	...	2	...	...	...	0	0·75	0·41	0·39	1	...	...	...	1	0·39	0·34	0·25	0	0·42	...	...
15	0	0·58	0·43	0·29	0	0·77	0·29	0·00	1	0·45	0·41	0·29	1	...	...	...	2	...	...	...	1	...	...	...
16	1	0·48	0·51	0·23	1	0·30	0·52	0·39	0	0·31	0·49	0·43	0	0·46	0·33	0·41	1	...	...	...	1	...	...	...
17	0	1·63	0·37	0·43	1	...	...	...	0	...	...	...	0	0·96	0·29	0·29	1	0·30	...	...	1	...	...	...
18	1	...	...	...	2	...	...	...	0	...	...	...	0	0·81	0·35	0·27	0	...	...	...	0	0·45	0·12	0·09
19	1	0·43	...	...	1	0·60	0·53	0·36	0	0·78	0·37	0·34	0	0·76	0·14	0·12	0	...	...	...	0	0·50	...	...
20	1	...	...	...	0	0·81	0·61	0·55	1	0·23	0·67	0·59	0	1·07	0·06	0·11	0	...	...	...	0	1·19	0·49	0·34
21	0	...	...	...	2	0·69	0·21	0·49	2	0·44	0·53	0·54	0	...	...	...	0	...	...	...	0	0·94	0·86	0·57
22	0	0·46	0·25	0·31	2	...	...	...	0	0·46	0·32	0·37	1	...	...	...	1	0·56	0·58	0·35	0	1·18	0·51	0·14
23	0	1·08	0·79	0·51	1	0·77	0·31	0·06	2	...	...	...	0	1·04	0·32	0·28	1	...	...	...	0	...	...	...
24	0	0·40	...	...	2	...	...	...	0	...	...	...	1	0·28	...	...	0	0·91	0·51	0·18	0	...	...	...
25	0	0·60	0·31	0·21	1	...	...	...	0	...	...	...	2	...	...	...	1	...	0·65	0·98	0	...	...	...
26	0	0·99	0·29	0·38	1	...	...	...	1	...	...	...	2	...	...	...	0	...	...	...	1	0·83	...	...
27	0	...	...	...	2	...	...	...	2	1·95	0·92	0·43	0	0·54	0·36	0·25	1	...	...	...	0	0·23	0·12	0·13
28	0	...	...	...	1	1·52	0·47	0·18	1	1·17	0·70	0·68	1	...	...	...	2	0·65	0·41	0·34	0	0·57	0·50	0·25
29	1	...	...	...	...	...	...	...	2	...	0·38	0·27	1	...	...	...	1	...	...	...	0	0·83	0·18	0·20
30	0	0·23	0·16	0·10	...	...	...	...	0	...	...	...	1	...	...	...	0	0·65	0·21	0·11	0	...	...	...
31	0	0·99	0·45	0·35	...	...	...	...	1	...	...	...	...	...	...	...	0	1·14	0·27	0·11	...	...	...	...
Mean	0·52	0·73	0·43	0·31	1·07	0·72	0·40	0·32	0·87	0·77	0·55	0·43	0·67	0·80	0·39	0·30	0·71	0·78	0·47	0·31	0·30	0·74	0·44	0·36
No. of Days used.	31	17	15	15	28	14	13	13	31	15	15	15	30	14	13	13	31	15	13	13	30	18	14	14

DAY.	JULY.				AUGUST.				SEPTEMBER.				OCTOBER.				NOVEMBER.				DECEMBER.			
	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −	Character.	Air-Earth Current $\times 10^{16}$.	Ionic Charge per cc. $\times 10^{16}$. +	Ionic Charge per cc. $\times 10^{16}$. −
		Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.			Amp/cm².	Coulomb.	
1	0	...	...	...	1	1·13	1·21	0·68	1	...	...	...	1	...	...	...	1	...	...	...	0	...	...	...
2	0	0·70	0·34	...	0	...	...	...	0	...	...	...	1	...	...	...	0	0·62	0·32	0·10	1	...	...	...
3	0	...	...	...	1	0·44	0·74	1·17	1	0·72	0·54	...	2	...	...	...	0	...	...	...	1	0·69	0·45	0·18
4	0	1·17	0·68	0·68	0	...	...	...	1	...	...	...	0	...	...	...	0	...	...	...	2	...	...	...
5	0	1·14	0·70	0·16	0	...	...	...	0	0·77	0·49	0·41	0	1·32	0·23	0·16	1	1·28	0·31	0·27	1	0·34	...	0·53
6	0	1·62	0·39	0·40	0	...	...	...	0	0·88	0·26	0·39	0	...	...	...	0	0·92	0·40	0·06	1	1·24	0·31	...
7	1	...	...	...	0	0·58	0·92	0·90	0	0·96	0·43	0·38	1	...	...	...	1	0·84	0·35	0·22	1	...	...	...
8	0	...	...	...	0	1·29	0·90	0·45	0	...	...	...	1	0·59	0·43	0·10	1	0·15	...	0·21	0	...	...	...
9	1	0·70	0·65	0·37	0	0·89	0·51	0·20	0	...	...	...	1	0·67	0·47	0·43	1	0·37	0·12	...	1	...	...	...
10	2	1·19	0·35	0·27	0	0·91	0·52	...	0	1·26	0·41	0·22	0	...	...	...	0	...	...	...	0	0·33	...	0·39
11	0	0·98	0·83	0·55	0	...	...	...	0	0·79	0·41	0·21	0	...	...	...	0	...	...	...	0	0·55	0·29	...
12	0	0·94	0·43	0·22	0	...	...	...	0	0·43	0·41	0·41	2	...	...	...	0	0·37	...	0·12	0	0·58	...	0·31
13	0	0·87	1·03	0·80	0	0·76	0·55	0·52	0	1·17	0·47	0·16	0	...	...	...	0	...	...	...	0	...	...	...
14	0	...	...	...	0	0·37	0·40	...	1	1·92	0·63	0·49	1	...	...	...	1	0·52	0·55	0·86	0	0·26	0·27	...
15	0	...	...	...	1	0·59	0·37	0·22	1	...	...	...	0	0·40	0·47	...	1	...	...	...	0	...	...	...
16	1	0·35	0·41	...	0	0·94	0·94	0·76	0	...	...	...	0	0·74	...	0·25	0	0·79	0·33	...	1	...	...	...
17	1	0·64	0·62	0·54	1	...	...	...	0	...	...	...	0	0·44	0·36	0·12	1	...	...	...	0	0·49	...	0·18
18	0	...	...	...	1	...	...	...	1	2·72	0·50	0·57	1	0·74	0·23	0·20	1	...	...	...	0	0·41	0·35	0·38
19	0	...	...	...	0	...	...	...	1	0·93	0·76	0·72	1	...	...	...	0	0·42	0·76	0·21	1	0·60	0·38	0·06
20	0	1·09	0·54	0·33	0	...	...	...	1	0·38	0·67	0·55	1	...	...	...	0	0·71	0·25	0·68	1	0·52	0·25	0·32
21	0	...	...	...	0	0·93	0·23	0·52	1	...	...	...	1	...	...	...	1	0·73	...	0·25	0	...	...	...
22	0	...	...	...	1	...	1·62	1·29	1	...	...	...	1	...	...	...	1	0·52	0·25	...	1	...	...	...
23	1	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...	0	0·54	...	0·39	1	...	...	...
24	1	0·72	0·66	0·61	2	...	...	...	1	1·48	0·77	0·51	1	0·67	0·63	...	0	...	...	...	2	0·71	...	0·29
25	1	...	...	...	0	...	...	...	1	...	...	...	1	1·36	...	0·56	0	...	...	...	2	...	...	...
26	0	0·51	0·83	1·05	0	...	...	...	0	0·85	...	0·40	1	1·26	0·56	0·12	0	0·29	0·70	...	1	...	...	...
27	0	...	0·57	0·41	2	...	0·72	0·84	0	0·82	0·67	0·45	1	...	...	...	0	0·39	...	0·59	1	0·20	0·31	...
28	1	...	...	...	0	...	...	...	0	...	...	...	0	...	...	...	0	0.17	0·61	...	1	0·32	0·45	0·25
29	0	...	...	...	2	...	...	...	0	...	...	...	0	1·31	0·63	0·23	0	0·40	...	0·10	1	...	...	...
30	1	...	...	...	0	...	1·31	1·01	1	...	...	...	0	0·42	0·32	0·10	0	0·39	0·57	...	1	...	...	...
31	1	...	...	...	0	0·86	0·76	0·59	...	...	...	...	1	0·53	0·29	0·31	...	...	...	...	1	...	...	...
Mean	0·39	0·90	0·64	0·49	0·42	0·81	0·83	0·70	0·47	1·07	0·53	0·42	0·68	0·80	0·42	0·23	0·37	0·55	0·42	0·31	0·74	0·52	0·34	0·29
No. of Days used.	31	14	13	13	31	12	13	13	30	15	13	13	31	13	11	11	30	19	13	13	31	14	9	10

Mean Values for periods of sixty minutes, centered at the exact hours, Greenwich Mean Time.

482. Richmond (Kew Observatory). **1923.**

Day.	January. Factor 2·81.				February. Factor 2·88.				March. Factor 2·70.			
	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
1	520	605	630	760	85	215	60	145	80	230	310	−325
2	85	265	140	405	70	185	200	100	110	405	285	605
3	210	505	350	705	85	405	360	405	650	445	285	445
4	450	845	535	350	245	430	275	290	430	285	350	335
5	970	730	140	−760	575	780	315	430	245	475	110	445
6	225	815	450	745	230	420	345	130	365	285	230	430
7	490	155	505	310	345	375	290	175	215	310	−40	255
8	85	395	155	760	−185	0	375	735	135	270	335	255
9	620	240	365	480	575	315	315	575	175	295	700	565
10	155	395	310	520	175	−390	−300	−60	350	620	605	660
11	225	630	335	420	100	375	160	505	295	605	380	595
12	170	645	560	605	260	690	375	85	540	745	190	95
13	435	785	645	620	−60	575	735	245	−110	−475	−335	755
14	155	225	365	590	30	45	505	635	700	835	620	715
15	225	380	420	550	260	100	460	215	135	445	500	460
16	210	505	505	730	−15	735	260	620	230	595	515	605
17	450	1220	1250	815	145	650	315	420	310	365	700	620
18	590	195	605	660	130	−535	460	290	230	390	420	445
19	480	775	505	110	490	175	260	275	350	580	675	650
20	−240	280	325	350	130	575	820	490	515	540	595	160
21	255	395	505	365	200	−995	575	605	65	160	730	350
22	225	660	295	310	260	720	−175	215	365	515	365	245
23	155	630	365	465	−60	230	375	835	325	110	−390	205
24	365	490	405	450	15	−230	245	—	150	325	230	420
25	435	620	350	480	—	—	275	545	390	310	160	325
26	325	465	435	550	130	−185	275	300	55	160	190	335
27	280	395	325	420	115	345	230	−45	460	285	215	−95
28	265	395	310	365	70	345	375	720	80	255	215	270
29	155	335	140	195					120	215	−55	405
30	210	435	225	240					175	515	175	430
31	110	170	265	335					365	245	190	365
Means (a)	318	503	411	488	205	395	355	399	287	394	380	430
Means (b)	300	503	411	448	169	253	317	359	274	366	305	388
Mean for day	(a) 430		(b) 415		(a) 339		(b) 275		(a) 373		(b) 333	

Richmond (Kew Observatory). **1923.**

Day.	April. Factor 2·93.				May. Factor 2·49.				June. Factor 2·53.			
	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
1	205	190	295	395	85	235	185	360	125	455	355	380
2	145	295	395	410	285	310	210	160	100	380	255	445
3	145	410	425	630	85	425	200	385	365	190	100	215
4	350	760	220	660	375	500	185	235	75	255	190	280
5	440	720	925	320	275	360	150	225	175	480	200	200
6	−130	320	600	525	125	150	125	110	100	115	315	280
7	280	320	265	540	100	300	300	210	140	265	150	290
8	90	350	395	485	100	400	500	510	175	125	115	150
9	440	585	660	615	100	310	125	275	50	125	65	115
10	410	600	395	*z*−	185	85	175	235	65	25	75	150
11	45	310	−115	760	−150	210	*z*±	185	90	165	150	115
12	45	−90	−440	350	250	175	*z*±	275	200	215	90	*z*+
13	175	250	175	410	−135	260	125	210	100	100	125	125
14	235	350	335	745	100	225	125	225	75	165	140	125
15	525	265	250	365	75	200	*z*−	*z*±	125	190	−605	265
16	295	280	645	615	275	210	225	350	150	140	100	125
17	175	555	760	395	200	225	185	275	50	140	115	115
18	250	555	250	500	150	185	210	200	150	280	125	200
19	145	585	585	525	200	135	60	185	125	90	150	100
20	295	615	585	485	100	150	60	175	115	280	215	200
21	295	395	365	220	85	125	85	175	150	265	150	165
22	205	190	205	250	175	175	135	250	165	200	175	165
23	235	425	205	160	75	160	*z*±	385	175	265	125	125
24	60	310	115	105	535	575	200	200	115	125	100	125
25	160	60	60	−15	235	135	—	160	125	150	190	230
26	−15	175	−45	250	185	300	150	585	50	165	115	125
27	205	205	220	365	185	275	135	260	115	100	90	90
28	190	235	190	205	125	−60	435	−250	90	355	115	75
29	90	130	175	335	50	300	300	225	125	265	140	230
30	105	90	160	250	135	150	475	360	75	175	115	150
31					125	435	435	310				
Means (a)	222	363	365	424	172	256	212	266	125	208	150	185
Means (b)	195	340	306	409	162	259	212	248	123	208	126	185
Mean for day	(a) 343		(b) 313		(a) 227		(b) 220		(a) 167		(b) 161	

NOTE.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: *z* +, Indeterminate, positive value; *z*−, Indeterminate, negative value; *z*±, Indeterminate in magnitude and sign.

(*a*) Mean from all positive readings.

(*b*) Mean from all complete days using both positive and negative readings.

Mean Values for periods of sixty minutes centered at the exact hours, Greenwich Mean Time.

482. Richmond (Kew Observatory). **1923.**

Day.	July. Factor 2·58.				August. Factor 2·51.				September. Factor 2·56.			
	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
1	90	140	130	105	190	225	125	175	220	345	140	230
2	75	285	105	220	115	225	165	165	155	220	140	165
3	155	195	75	195	125	175	65	165	140	345	115	255
4	170	115	140	260	150	265	125	115	130	−100	155	230
5	195	385	140	490	400	225	115	225	115	90	180	75
6	230	425	400	440	140	200	90	115	—	—	245	230
7	205	285	180	180	125	225	90	190	255	165	190	255
8	170	105	115	170	190	250	125	200	140	320	155	255
9	170	310	155	310	225	250	90	100	190	320	140	360
10	*z*±	*z*±	465	385	75	300	90	150	155	410	255	230
11	335	285	155	195	140	450	115	150	75	245	155	295
12	245	425	260	465	115	165	90	225	180	205	155	280
13	310	720	105	285	65	290	100	100	220	295	180	165
14	230	180	115	260	115	315	115	90	100	165	180	155
15	105	115	65	105	90	240	165	175	155	305	−40	460
16	40	115	105	170	240	300	115	90	280	360	155	485
17	270	220	155	245	125	140	75	190	370	320	165	410
18	115	270	130	105	100	200	*z*—	300	100	295	565	510
19	140	205	130	130	165	190	100	125	205	345	220	295
20	155	155	170	180	65	65	140	50	*z*—	245	165	305
21	105	155	115	130	—	175	200	275	−205	255	245	640
22	180	155	130	130	140	190	0	190	220	205	190	140
23	115	170	0	105	100	165	50	−25	230	270	245	255
24	40	230	130	205	—	*z*±	*z*—	240	115	360	205	155
25	90	105	50	180	115	375	190	225	15	245	165	155
26	195	220	170	205	65	100	150	200	100	245	165	255
27	170	270	*	180	150	215	*z*±	225	245	280	180	320
28	−25	205	130	155	115	215	125	315	255	305	75	165
29	115	195	105	90	140	140	415	115	155	100	140	75
30	40	180	50	−155	100	250	—	—	115	130	130	205
31	105	205	105	295	—	—	165	465				
Means (*a*)	157	234	142	218	138	225	124	184	172	264	186	267
Means (*b*)	150	233	131	201	140	227	120	152	160	257	176	274
Mean for day.	(*a*) 188		(*b*) 179		(*a*) 168		(*b*) 160		(*a*) 222		(*b*) 217	

Richmond (Kew Observatory). **1923.**

Day.	October. Factor 2·67.				November. Factor 2·71.				December. Factor 2·41.			
	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.	3h.	9h.	15h.	21h.
1	375	200	55	280	175	245	285	255	580	640	335	290
2	95	265	145	135	475	595	270	435	50	−85	375	195
3	255	280	*z*—	215	120	110	95	190	360	—	460	375
4	175	215	265	480	135	215	175	285	495	−325	−180	675
5	375	520	320	495	135	300	325	120	480	255	665	590
6	160	225	215	320	255	380	340	325	315	530	640	325
7	200	215	135	−295	300	530	365	300	1460	990	−50	−50
8	105	305	255	280	245	1545	350	230	155	605	410	300
9	25	80	200	360	25	540	595	445	—	385	605	265
10	120	265	95	55	405	445	570	530	315	700	580	445
11	95	415	215	265	215	595	460	245	410	445	470	480
12	105	−105	−15	440	920	745	310	120	215	360	565	480
13	105	215	185	535	—	165	285	55	460	480	335	480
14	320	520	0	385	−55	285	310	595	520	215	625	410
15	345	585	215	440	350	540	215	205	240	625	410	495
16	335	400	335	360	135	435	310	490	410	375	360	335
17	135	335	295	265	95	340	285	490	255	375	240	385
18	320	65	335	280	365	650	270	460	180	460	290	350
19	55	80	−55	265	190	395	340	435	170	420	325	435
20	105	320	295	145	245	490	445	445	180	410	385	420
21	—	—	−120	320	245	80	490	475	420	665	470	460
22	65	240	495	425	350	555	475	635	530	110	195	255
23	160	240	25	385	530	705	760	585	240	255	255	385
24	105	280	305	415	445	595	555	515	195	−420	480	555
25	145	265	320	505	540	675	1165	1490	530	530	400	605
26	105	200	320	255	—	1190	610	935	135	135	410	435
27	15	200	280	240	1465	1085	730	720	120	470	420	375
28	105	200	240	335	270	595	475	475	85	155	410	335
29	135	335	360	320	350	800	585	435	360	460	565	625
30	120	145	175	200	380	515	745	490	275	335	290	135
31	105	375	280	175					10	315	360	420
Means (*a*)	162	276	235	319	347	545	440	447	338	433	425	392
Means (*b*)	159	262	217	302	333	535	439	443	337	361	381	363
Mean for day.	(*a*) 248		(*b*) 235		(*a*) 445		(*b*) 437		(*a*) 397		(*b*) 361	

(*a*) Mean from all positive readings.
(*b*) Mean from all complete days, using both positive and negative readings.
The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: *z* +, Indeterminate, positive value; *z* — Indeterminate, negative value; *z* ± Indeterminate in magnitude and sign.
* No trace—gas cut off temporarily.

POTENTIAL GRADIENT (reduced to level surface); DIURNAL INEQUALITIES (in volts per metre).

The departures from the mean of the day are adjusted for non-cyclic change.

SELECTED QUIET DAYS.

483. Richmond (Kew Observatory). **1923.**

Month and Season.	Hour. 1	G.M.T 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Midt.	Non-cyclic change	Mean values.
	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m	v/m
Jan.	− 78	−116	**−147**	−135	− 94	− 28	+ 38	+ 77	+137	**+141**	+128	+ 89	+ 4	− 26	− 42	− 1	− 7	+ 38	+ 62	+ 53	− 6	+ 10	− 38	− 56	+ 63	468
Feb.	− 92	**−134**	−102	−133	−104	− 12	+ 50	**+105**	+ 87	+ 50	+ 37	+ 70	+ 45	+ 2	+ 18	+ 37	+ 58	+ 57	+ 33	+ 57	+ 38	+ 2	− 66	−100	...	341
Mar.	− 38	− 87	−118	**−152**	−106	− 82	− 39	+ 35	+ 73	+ 44	+ 28	+ 27	− 8	− 15	− 1	+ 24	+ 38	+ 56	+ 59	+ 77	**+ 87**	+ 49	+ 41	+ 7	− 27	428
April	− 63	−113	**−185**	−157	−163	−139	− 72	− 15	+ 15	+ 59	+ 26	+ 64	+ 25	+ 14	+ 54	+ 82	+102	**+149**	+144	+ 96	+ 70	+ 32	+ 9	− 33	− 10	404
May	− 63	− **66**	− 43	− 40	− 31	+ 26	+ 65	+ **82**	+ 70	+ 12	− 3	− 8	− 34	− 35	− 26	− 47	− 3	+ 41	+ 23	+ 68	+ 51	+ 21	− 13	− 46	− 21	249
June	− 8	− 14	− **45**	− 40	− 23	+ 15	+ 55	+ **56**	+ 50	+ 29	+ 25	+ 7	− 4	− 16	− 11	− 15	− 19	− 9	− 3	+ 14	+ 11	− 11	− 25	− 19	− 15	164
July	− 37	− 46	− 34	− 25	− 19	+ 19	+ 78	+ **85**	+ 77	+ 47	+ 28	− 20	− 43	− 58	− **60**	− 59	− 42	− 13	+ 6	+ 29	+ 44	+ 25	+ 19	0	+ 6	235
Aug.	− 32	− 41	− 42	− 26	+ 5	+ 60	+113	**+132**	+ 98	+ 36	+ 3	− 17	− 27	− 45	− 43	− **48**	− 46	− 32	− 8	− 1	− 4	+ 4	− 12	− 29	− 20	165
Sept.	− 4	− 22	− 25	− 43	− 46	− 5	+ 56	+ **84**	+ 48	+ 17	− 17	− 44	− 56	− **62**	− 58	− 34	− 23	+ 14	+ 63	+ **84**	+ 52	+ 29	+ 4	− 14	− 9	227
Oct.	− 45	− 60	− 88	− **96**	− 86	− 84	− 63	+ 4	+ 30	+ 33	− 9	− 38	− 46	− 37	− 28	+ 3	+ 42	+ 97	**+118**	+111	+ 87	+ 74	+ 55	+ 26	+ 1	288
Nov.	− 71	−128	**−156**	−150	−133	− 79	− 17	+ 73	+ **90**	+ 77	+ 80	+ 77	+ 67	+ 23	+ 37	+ 65	+ 61	+ 47	+ 47	+ 31	+ 7	− 11	− 8	− 26	− 27	450
Dec.	− **82**	− 72	− 56	− 62	− 69	− 78	− 52	+ 58	+ **89**	+ 83	+ 47	+ 22	− 4	− 7	+ 20	+ 35	+ 25	+ 43	+ 69	+ 28	+ 19	+ 13	− 13	− 56	− 7	397
Year	− 51	− 75	− 87	− **88**	− 72	− 32	+ 18	+ 65	+ **72**	+ 52	+ 31	+ 19	− 7	− 22	− 12	+ 4	+ 15	+ 41	+ 51	+ 54	+ 38	+ 20	− 4	− 29	...	318
Winter	− 81	−113	−115	**−120**	−100	− 49	+ 5	+ 78	**+100**	+ 88	+ 73	+ 65	+ 28	− 2	+ 8	+ 34	+ 34	+ 46	+ 53	+ 42	+ 15	+ 3	− 31	− 60	...	414
Eqnx.	− 38	− 70	−104	**−112**	−100	− 78	− 30	+ 27	+ 41	+ 38	+ 7	+ 3	− 21	− 25	− 8	+ 19	+ 40	+ 79	+ **96**	+ 92	+ 74	+ 46	+ 27	− 4	...	337
Sumr.	− 35	− **42**	− 41	− 33	− 17	+ 30	+ 78	+ **89**	+ 74	+ 31	+ 13	− 10	− 27	− 39	− 35	− **42**	− 28	− 3	+ 5	+ 28	+ 26	+ 10	− 8	− 23	...	203

AIR POLLUTION: HOURLY MEANS FOR EACH MONTH (milligrams per cubic metre).

COMPLETE DAYS ONLY.

484. Richmond (Kew Observatory). **1923.**

Month and Season.	Hour. 1	G.M.T 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Midt.	Mean	No. of days used.
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	
Jan.	·112	·112	·070	**·054**	**·054**	·125	·237	·278	·333	·333	·307	·320	·307	·291	·291	·320	·333	·320	**·349**	·333	·320	·320	·266	·125	·246	23
Feb.	·240	**·186**	**·186**	·214	·214	·266	·320	·387	**·506**	·454	·438	·400	·400	·374	·387	·387	·413	·438	·413	·413	·387	·400	·266	·240	·348	24
Mar.	·339	·259	**·246**	·259	**·246**	·259	·352	·422	**·486**	·474	·413	·422	·352	·339	·352	·330	·352	·394	·381	·464	·454	·422	·403	·394	·367	31
April	**·134**	·173	·160	·186	·186	·221	·307	·333	·368	·333	·333	·307	·272	·307	·307	·307	·333	·346	·368	**·432**	·381	·320	·259	·208	·287	26
May	·166	**·144**	·176	·166	·186	·259	·339	**·371**	·362	·339	·352	·301	·278	·301	·288	·288	·288	·310	·320	·320	·320	·259	·218	·186	·272	31
June	·253	**·227**	**·227**	·240	·285	·320	·333	·333	**·342**	·307	·320	·333	·307	·298	·262	·285	·307	·320	·333	·333	·333	·307	·298	·240	·298	28
July	·192	·192	·256	·278	·234	·288	·320	**·342**	·320	·278	·256	·256	·246	·256	·202	·202	·202	·214	**·182**	·214	·246	·234	·214	**·182**	·242	30
Aug.	·237	·208	·195	**·182**	**·182**	·307	**·362**	·307	·307	·307	·278	·291	·278	·237	·237	·237	·278	·278	·307	·307	·307	·237	·237	·224	·264	23
Sept.	·170	·186	**·150**	**·150**	·202	·285	·320	·355	**·371**	**·371**	·304	·304	·285	·269	·269	·285	·285	·320	·336	·355	·336	·304	·253	·218	·278	19
Oct.	·173	·198	·147	·173	**·122**	·198	·272	·320	·320	·320	·320	·320	·320	·320	·294	·320	·320	**·346**	**·346**	·320	·320	·294	·221	·198	·271	13
Nov.	·282	·282	·243	**·218**	**·218**	·230	·333	·397	·448	·474	·461	·410	·410	·384	·448	·448	**·538**	**·538**	·512	·525	·486	·422	·371	·320	·391	25
Dec.	·304	·285	·285	**·253**	**·253**	**·253**	·304	·438	**·605**	·538	·490	·438	·403	·387	·371	·371	·422	·454	·506	·506	·506	·470	·387	·336	·399	19
Year	·217	·204	**·195**	·198	·199	·251	·317	·357	**·397**	·377	·356	·342	·321	·314	·309	·315	·339	·356	·363	·377	·366	·332	·283	·239	·305	292
Winter	·235	·216	·196	**·185**	**·185**	·219	·299	·375	**·473**	·450	·424	·392	·380	·359	·374	·381	·426	·437	·445	·444	·425	·403	·323	·255	·346	91
Eqnx.																										
Spring	·237	·216	**·203**	·223	·216	·240	·329	·377	·427	·403	·373	·364	·312	·323	·329	·319	·343	·370	·375	**·448**	·417	·371	·331	·301	·327	57
Autm.	·171	·192	**·149**	·161	·162	·241	·296	·337	**·345**	**·345**	·312	·312	·302	·295	·281	·302	·302	·333	·341	·337	·328	·299	·237	·208	·275	32
Sumr.	·212	**·193**	·213	·217	·222	·293	**·339**	·338	·333	·308	·301	·295	·277	·273	·247	·253	·269	·281	·285	·293	·301	·259	·242	·208	·269	112

AIR POLLUTION: DIURNAL INEQUALITIES (milligrams per cubic metre).

The departures from the mean of the day are adjusted for non-cyclic change.

485. Richmond (Kew Observatory). **1923.**

Month and Season.	Hour. 1	G.M.T 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Midt.	Non-cyclic change	Range
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³
Jan.	−·128	−·129	−·171	**−·188**	**−·188**	−·118	−·006	+·034	+·089	+·088	+·061	+·074	+·061	+·044	+·043	+0·72	+·084	+·071	**+·099**	+·083	+·069	+·069	+·014	−·127	+·013	·287
Feb.	−·125	**−·178**	−·176	−·147	−·145	−·091	−·036	+·033	**+·153**	+·103	+·088	+·052	+·054	+·029	+·044	+·045	+·073	+·099	+·076	+·078	+·053	+·068	−·065	−·089	−·038	·331
Mar.	−·022	−·103	−·116	−·104	**−·117**	−·105	−·012	+·057	**+·121**	+·108	+·046	+·055	−·015	−·029	−·017	−·039	−·018	+·024	+·010	+·093	+·082	+·050	+·030	+·021	+·013	·238
April	**−·153**	−·114	−·127	−·101	−·101	−·066	+·020	+·046	+0·81	+·046	+·046	+·020	−·015	+·020	+·020	+·020	+·046	+·059	+·081	**+·145**	+·094	+·033	−·028	−·079	·000	·298
May	−·106	**−·128**	−·096	−·106	−·086	−·013	+·067	**+·099**	+·090	+·067	+·080	+·029	+·006	+·029	+·016	+·016	+·038	+·048	+·048	+·048	−·013	−·054	−·086	·000	·227
June	−·045	**−·071**	**−·071**	−·058	−·013	+·022	+·035	+·035	**+·044**	+·009	+·022	+·035	+·009	·000	−·036	−·013	+·009	+·022	+·035	+·035	+·035	+·009	·000	−·058	·000	·115
July	−·045	−·045	+·018	+·040	−·005	+·049	+·080	**+·102**	+·079	+·037	+·014	+·014	+·004	+·013	−·041	−·042	−·042	−·031	−·063	−·032	0	−·013	−·033	**−·066**	+·012	·168
Aug.	−·033	−·061	−·074	**−·086**	**−·086**	+·040	**+·095**	+·041	+·041	+·042	+·014	+·027	+·014	−·026	−·025	−·025	+·017	+·017	+·047	+·047	+·048	−·022	−·021	−·034	−·013	·181
Sept.	−·108	−·092	**−·128**	**−·128**	−·076	+·007	+·042	+·077	**+·093**	**+·093**	+·026	+·026	+·007	−·009	−·009	+·007	+·007	+·042	+·058	+·077	+·058	+·026	−·025	−·060	·000	·221
Oct.	−·108	−·083	−·133	−·106	**−·156**	−·079	−·004	+·045	+·046	+·047	+·048	+·049	+·050	+·051	+·026	+·053	+·054	+·081	**+·082**	+·057	+·058	+·033	−·040	−·062	−·023	·238
Nov.	−·103	−·104	−·143	**−·169**	**−·169**	−·158	−·055	+·008	+·059	+·084	+·070	+·019	+·019	−·008	+·055	+·055	**+·144**	**+·144**	+·117	+·130	+·090	+·026	−·026	−·077	+·013	·313
Dec.	−·102	−·121	−·120	**−·151**	**−·151**	−·150	−·098	+·036	**+·204**	+·138	+·090	+·039	+·005	−·011	−·026	−·025	+·026	+·059	+·112	+·112	+·113	+·078	−·005	−·055	−·016	·355
Year	−·090	−·102	**−·111**	−·109	−·108	−·055	+·011	+·051	**+·092**	+·072	+·050	+·037	+·017	+·009	+·004	+·010	+·035	+·052	+·059	+·073	+·062	+·029	−·021	−·064	−·003	·203
Winter	−·115	−·133	−1·52	**−·164**	−·163	−·129	−·049	+·028	**+·126**	+·103	+·077	+·046	+·035	+·014	+·029	+·037	+·082	+·093	+·101	+·101	+·081	+·060	−·021	−·087	−·007	·290
Eqnx	−·098	−·098	**−·126**	−·110	−·113	−·061	+·012	+·056	+·085	+·073	+·041	+·038	+·007	+·008	+·005	+·010	+·022	+·051	+·058	**+·093**	+·073	+·036	−·016	−·045	−·003	·219
Sumr.	−·057	**−·076**	−·056	−·052	−·047	+·024	**+·069**	**+·069**	+·064	+·039	+·032	+·026	+·008	+·004	−·021	−·016	·000	+·011	+·017	+·025	+·033	−·010	−·027	−·061	·000	·145

DIURNAL INEQUALITIES OF DECLINATION AND HORIZONTAL FORCE.

Departures from the mean of the day corrected for non-cyclic change.

DECLINATION (Measured positive towards the West) (*Ordinary days*).

486. Richmond (Kew Observatory). **1923.**

Month and Season.	Hour. 1	G.M.T. 2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Midt.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	−0·52	−0·07	−0·12	+0·12	−0·02	−0·33	−0·40	−0·66	−0·77	−0·07	+0·82	+1·70	**+2·10**	+1·79	+1·22	+0·86	+0·43	+0·20	−0·30	−0·63	−1·16	**−1·68**	−1·36	−1·19
Feb.	−0·70	−0·49	−0·43	−0·47	−0·63	−0·73	−0·52	−0·96	−1·08	−0·15	+1·15	+2·36	**+3·04**	+3·00	+2·03	+1·41	+0·63	−0·10	−0·58	−1·01	−1·45	−1·44	**−1·59**	−1·35
Mar.	−0·72	−0·79	−0·79	−0·83	−0·98	−1·28	−1·62	**−2·12**	−2·11	−0·72	+1·43	+3·44	**+4·19**	+3·96	+2·90	+1·62	+0·40	−0·06	−0·29	−0·47	−0·88	−1·40	−1·51	−1·35
Apr.	−1·16	−1·23	−0·95	−0·87	−1·02	−1·98	−3·16	**−4·09**	−3·70	−1·44	+1·78	+4·55	**+5·93**	+5·62	+4·24	+2·69	+1·24	+0·43	−0·27	−0·84	−1·18	−1·69	−1·56	−1·25
May	−0·80	−0·75	−0·91	−1·41	−2·37	−2·76	**−3·37**	−3·30	−2·57	−0·88	+1·45	+3·42	**+4·42**	+4·32	+3·45	+2·34	+1·43	+0·74	+0·10	−0·10	−0·41	−0·42	−0·75	−0·88
June	−0·78	−0·93	−0·70	−1·36	−2·56	−3·35	**−4·16**	−4·15	−3·39	−1·29	+1·21	+3·47	+4·72	**+4·77**	+4·72	+2·97	+1·71	+0·90	+0·18	−0·04	−0·14	−0·48	−0·57	−0·71
July	−0·66	−0·79	−1·12	−1·14	−1·70	−2·65	−3·27	**−3·30**	−2·76	−1·48	+0·31	+2·38	+3·62	**+4·11**	+3·60	+2·52	+1·64	+1·13	+0·50	+0·19	+0·10	−0·16	−0·48	−0·57
Aug.	−1·13	−1·08	−1·33	−1·61	−2·32	−2·87	**−3·34**	−3·07	−1·81	+0·09	+2·42	+4·28	**+5·17**	+4·72	+3·47	+1·78	+0·66	+0·09	−0·16	−0·23	−0·64	−0·80	−1·08	−1·29
Sept.	−1·55	−1·45	−1·52	−1·37	−1·64	−2·06	−2·65	**−2·93**	−2·13	−0·28	+2·21	+4·22	**+5·09**	+4·40	+3·08	+1·67	+0·76	+0·40	+0·14	−0·22	−0·64	−1·11	−1·26	−1·25
Oct.	−1·20	−1·11	−1·06	−1·01	−0·82	−0·89	−1·24	**−2·14**	−1·91	−0·51	+1·97	+3·74	**+4·21**	+3·78	+2·44	+1·20	+0·65	+0·60	+0·10	−0·90	−1·41	−1·61	−1·39	−1·40
Nov.	−1·02	−0·53	−0·27	−0·17	0·00	−0·31	−0·26	−0·78	−0·77	+0·29	+1·68	+2·30	**+2·32**	+1·77	+1·23	+1·03	+0·82	+0·42	−0·15	−0·64	−1·40	−1·98	**−2·02**	−1·64
Dec.	−0·94	−0·33	+0·05	+0·17	+0·11	−0·05	−0·25	−0·51	−0·48	+0·23	+1·18	+1·87	**+1·98**	**+1·98**	+1·36	+0·69	+0·15	+0·04	−0·56	−1·16	−1·23	−1·38	**−1·54**	−1·47
Year	−0·93	−0·80	−0·76	−0·83	−1·16	−1·60	−2·02	**−2·33**	−1·96	−0·52	+1·47	+3·14	**+3·90**	+3·69	+2·81	+1·73	+0·88	+0·40	−0·11	−0·50	−0·87	−1·18	−1·26	−1·20
Winter	−0·79	−0·35	−0·19	−0·09	−0·13	−0·35	−0·36	−0·73	−0·78	+0·08	+1·21	+2·06	**+2·36**	+2·14	+1·46	+1·00	+0·51	+0·14	−0·40	−0·86	−1·31	−1·62	**−1·63**	−1·41
Eqnx.	−1·16	−1·15	−1·08	−1·02	−1·12	−1·55	−2·17	**−2·82**	−2·46	−0·74	+1·85	+3·99	**+4·85**	+4·44	+3·16	+1·79	+0·76	+0·34	−0·08	−0·61	−1·03	−1·45	−1·43	−1·31
Sumr.	−0·84	−0·89	−1·02	−1·38	−2·24	−2·91	**−3·53**	−3·45	−2·63	−0·89	+1·35	+3·39	**+4·48**	**+4·48**	+3·81	+2·40	+1·36	+0·72	+0·15	−0·04	−0·27	−0·47	−0·72	−0·86

DECLINATION (*Quiet days*).

487. Richmond (Kew Observatory). **1923.**

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	−0·40	−0·05	+0·14	+0·52	+0·11	−0·14	−0·41	−0·82	**−1·01**	−0·23	+0·48	+1·09	**+1·50**	+1·29	+0·69	+0·66	+0·39	+0·16	−0·15	−0·52	−0·78	−0·93	−0·94	−0·75
Feb.	−0·42	−0·25	−0·22	−0·19	−0·40	−0·73	−0·97	−1·42	**−1·55**	−0·92	+0·67	+1·70	**+2·43**	+2·20	+1·35	+0·50	+0·19	+0·09	−0·02	−0·15	−0·22	−0·29	−0·52	−0·83
Mar.	−0·65	−0·60	−0·62	−0·69	−0·87	−1·02	−1·38	−1·98	**−2·31**	−1·47	+0·64	+2·28	**+3·42**	+3·19	+2·49	+1·12	+0·16	+0·20	+0·05	−0·03	−0·14	−0·30	−0·73	−0·77
April	−0·87	−0·78	−0·93	−0·95	−1·40	−1·97	−3·06	**−4·03**	−3·60	−1·24	+1·63	+4·08	**+4·95**	+4·20	+3·00	+1·73	+0·98	+0·41	−0·04	−0·09	−0·21	−0·28	−0·71	−0·92
May	−0·13	−0·41	−0·70	−1·38	−2·29	−3·01	**−3·66**	−3·56	−2·79	−1·03	+1·58	+3·26	**+4·26**	+3·99	+2·81	+1·52	+1·08	+0·83	+0·49	−0·12	−0·18	−0·11	−0·25	−0·08
June	+0·08	−0·13	−0·89	−1·51	−2·57	−3·46	−3·70	**−3·88**	−3·42	−1·45	+0·71	+2·83	+4·05	**+4·33**	+3·88	+2·62	+1·36	+0·60	+0·21	+0·11	+0·07	+0·07	+0·24	−0·06
July	−0·30	−0·37	−0·51	−0·85	−1·64	−2·54	**−3·12**	−3·01	−2·37	−1·25	+0·36	+2·08	+3·34	**+3·49**	+2·85	+1·79	+1·12	+0·46	+0·28	+0·19	+0·13	+0·05	−0·02	−0·26
Aug.	−1·01	−1·03	−1·15	−1·27	−1·97	−2·73	**−3·23**	−3·07	−1·91	−0·13	+2·55	+4·27	**+4·99**	+4·35	+2·99	+1·29	+0·27	−0·27	−0·17	−0·09	−0·27	−0·45	−0·75	−1·21
Sept.	−0·90	−0·98	−1·09	−1·31	−1·57	−1·95	−2·65	**−3·23**	−2·54	−0·90	+1·92	+4·10	**+4·90**	+4·38	+2·88	+1·37	+0·37	+0·17	+0·15	−0·27	−0·57	−0·52	−0·88	−0·96
Oct.	−0·86	−0·71	−0·67	−0·74	−0·68	−1·05	−1·37	−2·16	**−2·32**	−0·51	+1·95	+3·16	**+3·55**	+2·95	+1·68	+0·66	+0·33	+0·27	−0·08	−0·20	−0·37	−0·57	−1·00	−1·22
Nov.	−0·59	−0·48	−0·06	−0·05	−0·21	−0·65	−0·92	**−1·22**	−1·15	−0·13	+1·58	**+2·28**	+2·18	+1·47	+0·87	+0·70	+0·48	−0·01	−0·27	−0·47	−0·76	−0·88	−0·85	−0·93
Dec.	−0·53	−0·10	+0·03	−0·10	+0·01	−0·22	−0·51	**−0·88**	−0·59	+0·08	+1·11	**+1·66**	+1·59	+1·20	+0·87	+0·50	+0·07	+0·04	−0·41	−0·80	−0·63	−0·70	−0·73	−0·86
Year	−0·55	−0·49	−0·56	−0·71	−1·12	−1·62	−2·08	**−2·44**	−2·13	−0·77	+1·27	+2·73	**+3·43**	+3·09	+2·20	+1·21	+0·57	+0·25	0·00	−0·20	−0·33	−0·41	−0·60	−0·74
Winter	−0·49	−0·22	−0·03	+0·04	−0·12	−0·43	−0·70	**−1·09**	−1·07	−0·30	+0·96	+1·68	**+1·93**	+1·54	+0·95	+0·59	+0·28	+0·07	−0·21	−0·48	−0·60	−0·70	−0·76	−0·84
Eqnx.	−0·82	−0·77	−0·83	−0·92	−1·13	−1·50	−2·11	**−2·85**	−2·69	−1·03	+1·54	+3·41	**+4·21**	+3·68	+2·51	+1·22	+0·46	+0·26	+0·02	−0·15	−0·32	−0·42	−0·83	−0·97
Sumr.	−0·34	−0·49	−0·81	−1·25	−2·12	−2·94	**−3·43**	−3·38	−2·62	−0·97	+1·30	+3·11	**+4·16**	+4·04	+3·13	+1·81	+0·96	+0·41	+0·20	+0·02	−0·06	−0·11	−0·20	−0·40

HORIZONTAL FORCE (*Quiet days*).

488. Richmond (Kew Observatory). **1923.**

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	− 6·0	− **6·7**	− 5·5	− 4·0	− 1·4	+ 1·0	+ 4·3	+ 5·0	+ 1·5	− 4·4	− 4·8	− 1·3	+ 2·6	+ 4·0	+ 2·5	+ 2·2	+ 3·9	+ 5·2	+ **5·7**	+ 3·1	− 0·3	− 1·1	− 1·8	− 3·1
Feb.	− 2·4	− 4·3	− 4·0	− 3·7	− 1·3	+ 3·1	+ 6·6	+ 7·6	+ 0·9	− 8·3	**−11·3**	− 9·1	− 4·8	− 1·3	− 0·5	+ 0·6	+ 3·8	+ 7·4	+ **7·9**	+ 5·3	+ 3·9	+ 2·5	+ 1·6	− 0·8
Mar.	− 2·3	− 2·8	− 2·0	− 1·8	+ 0·6	+ 3·0	+ **6·9**	+ 6·2	+ 1·3	− 7·4	**− 9·9**	− 8·1	− 5·2	− 3·0	− 0·9	− 1·9	+ 0·4	+ 3·8	+ 4·9	+ 5·1	+ 4·3	+ 4·9	+ 2·6	+ 1·5
April	+ 0·4	− 1·4	− 1·6	− 0·2	+ 1·8	+ 2·9	+ 2·0	− 3·2	**−11·4**	**−19·1**	**−20·1**	**−15·1**	− 7·4	− 2·7	+ 2·1	+ 6·2	**+10·0**	**+10·5**	**+10·6**	+ 9·6	+ 8·2	+ 7·7	+ 5·8	+ 4·1
May	− 2·1	− 3·8	− 4·5	− 3·4	− 2·0	− 1·6	− 0·9	− 4·9	**−11·0**	**−14·3**	**−15·0**	**−10·0**	− 4·9	− 2·6	+ 2·5	+ 7·4	**+10·1**	**+13·0**	**+13·3**	**+10·0**	+ 9·4	+ 6·7	+ 5·2	+ 2·6
June	+ 3·4	+ 2·3	+ 0·9	+ 1·0	+ 1·6	− 0·9	− 3·6	− 9·2	**−16·4**	**−17·5**	**−18·0**	**−16·1**	**−10·5**	− 5·3	+ 2·9	+ 6·9	+ 9·7	**+11·9**	**+13·6**	**+12·4**	**+12·2**	+ 9·0	+ 4·6	+ 4·3
July	+ 0·8	+ 0·1	− 0·9	− 1·1	− 0·9	− 3·5	− 3·0	− 6·2	**−12·0**	**−13·4**	**−14·4**	− 8·1	− 2·5	− 0·8	+ 2·0	+ 2·8	+ 4·7	+ 8·4	**+11·3**	**+12·3**	**+10·6**	+ 7·1	+ 4·4	+ 2·1
Aug.	− 0·7	− 0·8	− 1·4	− 1·3	− 0·1	+ 1·3	+ 0·6	− 5·5	**−14·5**	**−18·7**	**−18·3**	**−11·7**	− 5·7	− 0·7	+ 2·3	+ 7·9	**+10·9**	**+11·2**	**+10·4**	**+11·4**	**+10·3**	+ 7·1	+ 4·5	+ 2·0
Sept.	+ 1·4	+ 1·2	+ 0·8	+ 0·5	+ 1·3	+ 2·8	+ 1·5	− 2·0	− 8·9	**−18·6**	**−16·8**	**−11·2**	− 4·2	− 1·6	− 0·8	− 0·3	+ 3·9	+ 6·4	+ 7·6	+ 9·0	+ 8·1	**+ 9·1**	+ 6·6	+ 4·0
Oct.	− 0·4	− 0·6	+ 0·6	+ 0·1	+ 0·3	+ 1·4	+ 1·9	+ 1·3	− 6·0	**−12·9**	**−13·7**	− 9·5	− 4·0	− 1·8	− 2·3	− 0·9	+ 4·9	+ 8·6	+ 8·9	+ 6·7	+ 5·7	+ 5·7	+ 3·5	+ 1·9
Nov.	− 1·7	− 2·6	− 1·6	− 0·2	+ 2·1	+ 3·3	+ 3·8	+ 3·5	− 0·2	− 5·2	− **7·2**	− 6·6	− 4·1	− 2·0	− 0·9	− 0·1	+ 2·8	+ **5·9**	+ 5·4	+ 2·6	+ 1·0	+ 1·1	+ 1·4	− 0·5
Dec.	− **5·7**	− 5·4	− 2·3	− 2·1	− 0·7	+ 0·9	+ 1·4	+ 4·3	+ 3·7	− 0·1	− 1·2	− 2·0	− 0·9	+ 0·4	+ 0·8	+ 0·8	+ 3·7	+ **4·9**	+ 4·3	+ 2·0	+ 1·0	+ 0·6	− 2·0	− 5·0
Year	− 1·3	− 2·1	− 1·8	− 1·3	+ 0·1	+ 1·1	+ 1·8	− 0·3	− 6·1	**−11·7**	**−12·6**	− 9·1	− 4·3	− 1·5	+ 0·8	+ 2·6	+ 5·7	+ 8·1	+ **8·7**	+ 7·5	+ 6·2	+ 5·0	+ 3·0	+ 1·1
Winter	− 3·9	− 4·7	− 3·3	− 2·5	− 0·3	+ 2·1	+ 4·0	+ 5·1	+ 1·5	− 4·5	− **6·1**	− 4·7	− 1·8	+ 0·3	+ 0·4	+ 0·9	+ 3·6	+ **5·8**	+ **5·8**	+ 3·2	+ 1·4	+ 0·8	− 0·2	− 2·3
Eqnx.	− 0·2	− 0·9	− 0·6	− 0·3	+ 1·0	+ 2·5	+ 3·1	+ 0·6	− 6·3	**−14·5**	**−15·1**	**−11·0**	− 5·2	− 2·3	− 0·5	+ 0·8	+ 4·8	+ 7·3	+ **8·0**	+ 7·6	+ 6·6	+ 6·8	+ 4·6	+ 2·9
Sumr.	+ 0·4	− 0·6	− 1·5	− 1·2	− **n·3**	− 1·2	− 1·7	− 6·4	**−13·5**	**−16·0**	**−16·4**	**−11·5**	− 5·9	− 2·4	+ 2·4	+ 6·3	+ 8·8	**+11·1**	**+12·1**	**+11·5**	**+10·6**	+ 7·5	+ 4·7	+ 2·8

489. Richmond (Kew Observatory). **1923.**

Month, Season or Year.	ELEMENT. Quiet days D and H, absolute observations I.			FORCE.				RANGE OF INEQUALITY.			AVERAGE DEPARTURE		
	Declination (West).	Inclination.	Horizontal Force.	North.	West.	Vertical.	Total.	"Ordinary" Days. D′.	Quiet days. D.	Quiet days. H.	"Ordinary" Days. D′.	Quiet Days. D.	Quiet Days. H.
	° ′	° ′	γ	γ	γ	γ	γ	′	′	γ	′	′	γ
January ...	14 3·0	66 57·0	18392	17842	4465	43224	46974	3·78	2·51	12·4	0·77	0·59	3·4
February	14 1·8	66 56·8	18392	17843	4459	43216	46967	4·63	3·98	19·2	1·14	0·76	4·3
March ...	14 1·4	66 57·4	18394	17846	4457	43243	46992	6·31	5·73	16·8	1·49	1·13	3·8
April ...	13 59·4	66 57·1	18392	17846	4446	43229	46978	10·02	8·98	30·7	2·20	1·75	6·8
May ...	13 58·4	66 57·0	18396	17852	4442	43234	46985	7·79	7·92	28·3	1·81	1·65	6·7
June ...	13 57·6	66 57·5	18394	17851	4437	43247	46996	8·93	8·21	31·6	2·05	1·76	8·1
July ...	13 57·2	66 57·4	18395	17852	4436	43244	46994	7·41	6·61	26·7	1·67	1·35	5·6
August ...	13 55·8	66 57·3	18397	17856	4429	43246	46996	8·51	8·22	30·1	1·89	1·73	6·6
September	13 54·9	66 56·1	18397	17857	4424	43205	46959	8·02	8·13	27·7	1·83	1·69	5·4
October ...	13 54·0	66 57·4	18393	17854	4419	43240	46989	6·35	5·87	22·6	1·55	1·21	4·3
November	13 52·8	66 56·3	18394	17857	4413	43203	46956	4·34	3·50	13·1	0·99	0·80	2·7
December	13 51·5	66 56·8	18396	17861	4406	43227	46979	3·52	2·54	10·6	0·82	0·59	2·4
Winter ...	13 57·3	66 56·7	18393	17851	4436	43218	46969	3·99	3·02	11·9	0·92	0·67	2·9
Equinox ...	13 57·4	66 57·0	18394	17851	4436	43229	46979	7·67	7·06	23·1	1·77	1·44	4·7
Summer ...	13 57·3	66 57·3	18395	17853	4436	43243	46993	8·01	7·59	28·5	1·85	1·59	6·5
Year 1923	13 57·3	66 57·0	18394	17851	4436	43230	46980	6·23	5·87	21·3	1·50	1·23	4·3
1922	14 8·8	66 57·6	18394	17836	4495	43251	47000	6·55	6·68	22·3	1·67	1·40	4·7
1921	14 19·9	66 57·7	18399	17827	4555	43266	47016	7·51	7·07	22·6	1·83	1·47	4·8
1920	14 31·0	66 57·9	18410	17822	4615	43297	47049	8·12	7·91	28·3	2·10	1·83	6·5
1919	14 40·9	66 57·7	18416	17815	4667	43305	47058	8·73	8·52	28·0	2·26	1·84	6·3
1918	14 50·4	66 58·4	18429	17814	4720	43361	47115	9·31	9·23	30·1	2·28	1·91	7·7
1917	14 59·6	66 58·0	18437	17809	4770	43366	47122	—	10·18	34·0	—	2·16	8·3
1916	15 8·8	66 57·5	18457	17816	4823	43395	47156	—	8·73	30·0	—	1·84	7·0
1915	15 18·4	66 56·6	18463	17808	4874	43376	47141	—	7·30	24·8	—	1·60	5·7
1914	15 27·8	66 55·8	18488	17818	4929	43406	47179	—	6·13	22·2	—	1·30	4·9
1913	15 37·0	66 55·8	18505	17822	4982	43449	47226	—	6·87	18·1	—	1·45	4·0

MAGNETIC CHARACTER OF EACH DAY.

490. Richmond (Kew Observatory). **1923.**

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1	0	1	0	0	0	0	1	0	1	1	1	0	—
2	0	0	0	0	0	0	1	0	0	0	2	0	—
3	0	0	0	0	1	0	0	1	1	0	1	0	—
4	1	1	0	0	1	1	0	1	0	0	0	1	—
5	0	0	0	0	0	1	0	0	0	0	0	0	—
6	1	0	0	0	0	1	1	1	0	0	0	0	—
7	0	1	1	0	0	0	1	0	0	0	1	0	—
8	0	0	0	1	1	0	1	0	0	0	0	0	—
9	0	0	0	1	0	0	0	0	1	1	0	1	—
10	0	0	0	1	0	0	2	0	1	1	0	1	—
11	0	0	0	1	0	0	1	0	1	1	0	0	—
12	0	0	0	1	0	1	1	1	0	1	2	0	—
13	1	0	0	1	0	2	0	1	0	0	1	0	—
14	1	1	1	1	0	1	0	1	1	1	0	1	—
15	0	0	1	0	0	1	0	1	0	2	0	0	—
16	0	0	1	0	0	0	0	0	0	2	0	0	—
17	0	1	0	0	2	0	0	0	0	2	0	0	—
18	0	1	1	0	2	0	1	0	1	2	0	0	—
19	0	0	0	0	1	0	1	0	0	1	0	0	—
20	2	0	1	1	1	0	0	0	0	0	0	0	—
21	2	0	0	1	0	1	0	0	0	0	0	0	—
22	1	0	0	2	0	0	1	0	0	0	1	0	—
23	1	0	0	1	0	0	1	0	0	0	1	1	—
24	1	0	2	1	0	0	0	0	0	0	0	1	—
25	0	2	2	0	0	0	0	0	0	0	0	1	—
26	0	2	1	0	0	0	0	0	2	0	0	2	—
27	0	2	1	0	0	0	1	0	2	1	1	1	—
28	0	1	1	0	0	0	0	0	2	0	1	1	—
29	1		1	0	1	0	0	0	1	0	1	0	—
30	1		0	0	1	2	0	0	1	0	1	0	—
31	0		1		0		0	1		1		0	—
No. of 0's.	20	18	18	18	22	21	18	23	18	18	18	21	233
No. of 1's.	9	7	11	11	7	7	12	8	9	9	10	9	109
No. of 2's.	2	3	2	1	2	2	1	0	3	4	2	1	23
Mean Chretr.	0·42	0·46	0·48	0·43	0·35	0·37	0·45	0·26	0·50	0·55	0·47	0·35	0·42

NON-CYCLIC CHANGE (24h.–0h.).

491. Richmond (Kew Observatory). **1923.**

Month, Season or Year.	Ordinary Days. D′.	Quiet Days. D.	Quiet Days. H.
	′	′	γ
Jan. ...	−0·07	+0·20	+0·1
Feb. ...	−0·14	−0·22	+2·7
Mar. ...	−0·03	+0·10	+2·3
Apr. ...	+0·06	−0·20	−0·2
May ...	−0·04	+0·12	+2·0
June ...	+0·03	−0·06	+2·7
July ...	−0·08	−0·08	+4·1
Aug. ...	−0·11	0·00	+2·2
Sept. ...	+0·04	+0·04	−0·8
Oct. ...	−0·10	+0·36	+3·3
Nov. ...	−0·03	−0·38	+0·9
Dec. ...	−0·01	−0·24	+2·0
Winter	−0·06	−0·16	+1·4
Equinox	−0·01	+0·08	+1·2
Summer	−0·05	−0·01	+2·8
Year 1923	−0·04	−0·03	+1·8
1922	+0·01	+0·13	+2·4
1921	+0·03	+0·07	+3·6
1920	+0·04	+0·16	+3·3
1919	−0·11	+0·04	+5·4
1918	−0·04	−0·11	+4·0
1917	—	+0·13	+4·0
1916	—	−0·02	+3·0
1915	—	−0·21	+2·6
1914	—	+0·03	+1·1
1913	—	+0·01	+2·1

492. MEAN VALUES, FOR THE YEARS SPECIFIED, OF THE MAGNETIC ELEMENTS AT OBSERVATORIES WHOSE PUBLICATIONS ARE RECEIVED AT KEW OBSERVATORY, RICHMOND.

Place.	Latitude.	Longitude.	1923.				1922.				1921.			
			Declination.	Inclination.	Horizontal Force.	Vertical Force.	Declination.	Inclination.	Horizontal Force.	Vertical Force.	Declination.	Inclination.	Horizontal Force.	Vertical Force.
	N.			N.				N.				N.		
	° ′	° ′	° ′	° ′	γ	γ	° ′	° ′	γ	γ	° ′	° ′	γ	γ
Sodankyla, Finland	67 22	26 39 E.	...	...	...	...	1 22·6 E.	75 40·5	12561	49187	1 13·3 E.	75 37·6	12605	49188
Lerwick, Shetland Islands ...	60 9	1 11 W.	15 44·5 W.	72 33·6	14655	46652	...	...	...	...	...	...	...	...
Pavlovsk, Petrograd, Russia...	59 41	30 29 E.	3 7·1 E.	71 20·1	15858	46943	2 58·9 E.	71 17·3	15895	46927	2 50·6 E.	71 14·2	15936	46910
Sitka, Alaska	57 3	135 20 W.	...	...	...	...	30 29·1 E.	74 22·4	15560	55631	30 28·5 E.	74 22·6	15570	55679
Rude Skov, Denmark... ...	55 51	12 27 E.	...	...	...	...	7 33·8 W.	69 2·6	17087	44614	7 45·2 W.	69 1·2	17105	44607
Eskdalemuir, Scotland ...	55 19	3 12 W.	16 13·8 W.	69 38·8	16676	44954	16 25·8 W.	69 40·0	16680	45012	16 37·3 W.	69 40·3	16695	45062
Meanook, Alberta	54 37	113 21 W.	27 23·3 E.	77 53·2	12881	60025	27 28·5 E.	77 53·3	12902	60126	27 33·3 E.	77 53·7	12909	60190
Stonyhurst, Lancs., England...	53 51	2 28 W.	15 17·6 W.	68 41·6	17308	44377	15 30·9 W.	68 42·4	17305	44402	15 41·6 W.	68 43·0	17315	44449
Potsdam, Prussia	52 23	13 4 E.	6 56·9 W.	66 36·5	18565	42920	7 7·6 W.	66 35·7	18577	42918	7 18·9 W.	66 34·5	18591	42911
Seddin, Prussia	52 17	13 1 E.	6 58·2 W.	66 33·5	18603	42905	7 8·9 W.	66 32·7	18615	42903	7 20·5 W.	66 31·6	18629	42898
De Bilt, Utrecht, Holland ...	52 5	5 11 E.	10 50·2 W.	66 52·6	18378	43038	11 1·9 W.	66 52·8	18382	43054	11 13·6 W.	66 52·6	18389	43065
Valencia, Cahirciveen, Ireland	51 56	10 15 W.	18 46·5 W.	68 1·5	17852	44242	18 57·0 W.	68 3·0	17849	44289	19 6·5 W.	68 3·4	17848	44299
Kew, Richmond, Surrey, England	51 28	0 19 W.	13 57·3 W.	66 57·0	18394	43230	14 8·8 W.	66 57·6	18394	43251	14 19·9 W.	66 57·7	18399	43266
Greenwich, London, England	51 28	0 0	13 35·1 W.	66 51·9	18452	43187	13 46·7 W.	66 52·3	18442	43176	13 57·6 W.	66 53·0	18449	43218
Val Joyeux, near Paris, France	48 49	2 1 E.	12 20·2 W.	64 39·0	19664	41504	12 31·5 W.	64 39·6	19661	41517	12 42·6 W.	64 40·0	19670	41548
Munich, Bavaria	48 9	11 37 E.	...	...	...	...	...	...	...	...	7 53·6 W.	...	...	...
Nantes, France	47 1	1 34 W.	13 23·5	63 46·8	20212	41009	...	...	...	...	...	...	...	...
Pola, Istria	44 52	13 51 E.	...	...	...	...	...	...	...	...	6 38·6 W.	60 10·3	22094	38537
Agincourt, Ontario	43 47	79 16 W.	7 0·9 W.	74 44·3	15784	57849	6 56·2 W.	74 44·6	15809	57961	6 50·6 W.	74 44·5	15839	58065
Tortosa, Spain	40 49	0 30 E.	11 30·6 W.	57 32·7	23328	36680	11 39·7 W.	57 35·5	23314	36725	11 49·1 W.	57 37·6	23301	36754
Coimbra, Portugal	40 12	8 25 W.	14 54·2 W.	58 18·9	23110	37433	15 4·7 W.	58 17·0	23096	37369	15 13·4 W.	58 19·2	23110	37448
Cheltenham, Maryland ...	38 44	76 50 W.	...	...	...	...	6 27·7 W.	70 57·6	19020	55115	6 22·4 W.	70 56·5	19069	55200
San Fernando, Spain	36 28	6 12 W.	13 32·6 W.	53 48·7	25027	...	13 41·6 W.	53 50·1	25033	...	13 50·6 W.	53 45·4	25041	...
Tucson, Arizona	32 15	110 50 W.	...	...	...	...	13 47·5 E.	59 29·0	26839	45533	13 47·7 E.	59 28·0	26875	45564
Dehra Dun, near Simla, India	30 19	78 3 E.	1 38·6 E.	45 12·6	32926	33168	1 43·2 E.	45 8·6	32927	33091	1 47·1 E.	45 4·2	32945	33025
*Hongkong, China	22 18	114 10 E.	0 23·2 W.	30 44·7	37284	22177	0 21·5 W.	30 46·0	37279	22194	0 19·8 W.	30 45·8	37295	22199
											0 22·6 W.	30 45·0	37190	22125*
Honolulu, Hawaii	21 19	158 4 W.	...	...	...	...	9 57·1 E.	39 24·4	28794	23658	9 55·3 E.	39 24·5	28824	23683
Teoloyucan, Mexico	19 45	99 11 W.	9 14·0 E.	...	...	...	...	...	...	...	...	...	...	...
Toungoo, Burma	18 56	96 27 E.	...	...	...	...	0 29·7 W.	23 7·2	39156	16717	0 26·8 W.	23 7·0	39132	16704
Alibag, Bombay, India ...	18 39	72 52 E.	...	...	...	...	0 12·6 E.	25 5·0	36967	17303	0 15·9 E.	24 59·5	36956	17226
Vieques, Porto Rico	18 9	65 26 W.	...	...	...	...	4 0·9 W.	51 33·1	27695	34880	3 53·3 W.	51 28·4	27761	34868
Antipolo, Manila, Philippine Is.	14 36	121 10 E.	...	...	...	...	...	...	...	...	0 34·2 E.	16 7·8	38116	11028
Kodai-Kanal, India	10 14 S.	77 28 E.	...	... S.	...	...	1 58·7 W.	4 40·1 S.	37878	3093	1 54·2 W.	4 38·5 S.	37832	3071
†Batavia, Java	6 11	106 49 E.	0 52·2 E.	32 0·9	36805	23012	0 49·3 E.	32 0·3	36784	22990	0 47·9 E.	31 56·7	36766	22925
Apia, Samoa	13 48	171 46 W.	10 16·3 E.	30 6·6	35248	20440	10 13·6 E.	30 5·6	35241	20423	10 10·7 E.	30 3·8	35265	20412
Mauritius	20 6	57 33 E.	10 49·2 W.	52 33·7	22982	30017	10 39·9 W.	52 36·2	23019	30112	10 30·7 W.	52 37·1	23061	30185
Pilar, Cordova, Argentina ...	31 40	63 53 W.	...	...	...	...	...	...	...	...	7 40·2 E.	25 39·2	25241	12122
Christchurch, New Zealand ...	43 32	172 37 E.	17 11·7 E.	68 12·0	22209	55526	17 8·3 E.	68 11·2	22217	55507	17 4·6 E.	68 10·3	22241	55528

* The first set of values for 1921 refer to the new hut; the second set of values for 1921 refer to the old hut; the values for 1922 refer to the new hut.
† Means based on absolute observations.

493. ADDITIONAL VALUES FOR EARLIER YEARS.

			1920.				1919.				1918.			
	N.			N.				N.				N.		
	° ′	° ′	° ′	° ′	γ	γ	° ′	° ′	γ	γ	° ′	° ′	γ	γ
Pavlovsk, Petrograd, Russia...	59 41	30 29 E.	2 42·7 E.	71 11·1	15978	46897	2 35·2 E.	71 8·1	16019	46883	2 27·8 E.	71 4·9	16063	46867
O'Gyalla, Pesth, Hungary ...	47 53	18 12 E.	...	...	...	...	...	...	...	...	5 21·9 W.	...	20917	...
Pola, Istria	44 52	13 51 E.	...	...	...	...	7 1·6 W.	60 9·3	22111	38539	7 11·0 W.	60 9·0	22113	38533
San Fernando, Spain ...	36 28	6 12 W.	14 1·0	53 37·5	25021	...	14 8·5 W.	53 44·6	25101	...	14 12·4 W.	54 2·2	24976	...
Tsingtau, Kianchow, China ...	36 4	120 19 E.	4 12·9 W.	52 7·0	30817	39610	4 9·9 W.	52 7·4	30812	39613	4 8·2 W.	52 6·9	30827	39621
Lukiapang, Shanghai, China .	31 19	121 2 E.	3 21·4 W.	45 30·7	33175	33773	3 20·0 W.	45 31·0	33187	33790	3 18·8 W.	45 31·0	33212	33817
Helwan, Egypt	29 52	31 21 E.	1 23·7 W.	41 12·8	29956	26236	1 30·6 W.	41 9·6	29941	26175	1 38·4 W.	41 6·1	29948	26126

M.O. 279
(Benson)

Air Ministry

METEOROLOGICAL OFFICE

THE OBSERVATORIES' YEAR BOOK 1923

Comprising the results obtained from autographic records and eye observations at the observatories at Lerwick, Aberdeen, Eskdalemuir, Cahirciveen (Valencia Observatory), Richmond (Kew Observatory), and Benson.

BENSON

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1926

BENSON OBSERVATORY.

Latitude	51° 37′ N.
Longitude	1° 7′ W.
Height above Sea Level	57 metres.

INTRODUCTION.

Notes on the tables of Upper Air Temperatures obtained from soundings with registering balloons at Benson, Richmond, and Liverpool. 1923.

The tables are presented in the same form as those appearing in the Observatories' Year Book for 1922. The Dines pattern meteorograph was solely employed as before, the instruments being constructed in the Observatory workshop.

The method of operation remained substantially the same as that described in the Computer's Handbook.*

In the computations of pressure-height a value of gravity constant with height has been assumed, and equal to 981·2 ; the effect of humidity on the density of the air has been neglected.

A total of 46 soundings were made during the year, of which 25 instruments were found and returned ; a somewhat poor result. Of 6 soundings made from Kew Observatory in Oct.-Nov.-Dec. only one was returned. In a number of cases the heights reached were poor owing to bad quality and premature failure of the balloons.

In most cases the mean of the record on the ascent and descent was employed entirely in computing the published figures. In a few cases where the difference between the two was greater and more systematic than usual, the colder record was used alone ; in a few other cases where the difference was pronounced near the ground only, what was judged to be the ascending record was alone employed for this particular layer, the rest being determined from the mean as usual.

The figures given in the table of lapse rates do not in every case agree with the temperatures appearing in the table of temperature-heights. The reason is that both were determined independently from the original data, which can sometimes profitably be read to ·5 degree, and then rounded off to the nearest whole degree.

During the year a new method of making pressure-temperature marks was employed in the calibration of the instruments. This allows of the pressures of calibration being determined on the record to within about ·5 millibar, a considerable improvement on former practice.

Experiments were made to determine the extent to which the record of pressure was affected by hysteresis of the aneroid box, and to what extent the effect might cause error as between the conditions of an actual sounding in which the pressure change is slow, and those of the calibration test in which it is comparatively rapid. The results seemed to show that with new instruments used immediately after construction there might be an appreciable difference between the two, in the sense that at pressures of 300 mb. or less the pressure record during the ascending part of the sounding might be 7 or 8 millibars too low as determined by comparison with the calibration marks. At higher pressures the discrepancy fell off. When an instrument had been used its behaviour became more consistent, and this particular error appeared to cease to be appreciable.

* MO. 223, Section II, Subsection II.

It is clear that in the cases of a few soundings the minimum pressure recorded may have been appreciably affected by this error, and that in consequence the maximum height claimed may have been too great. If 7 mb. be taken as the maximum error likely to have occurred, this at 18 km., would involve an error in the height determination of about 0·6 km., making the true maximum 17·4 instead of 18. The possible error falls off rapidly as the height decreases.

The position is uncertain and it is impossible to state what the error is likely to be in any particular case ; all that can be done is to state the maximum error likely to have occurred, and the fact that the mean error is probably decidedly less than half the maximum.

As a further effect of hysteresis, during the descending part of a sounding the pressure seemed to be recorded systematically too low by an amount of perhaps 6 or 7 millibars in the middle region of a high ascent, falling off to something less than this on either side. Individual instruments sometimes yielded results decidedly worse than the above, and in all cases it appeared to be a permanent error, which while it might grow a little less, was not eliminated by ageing or continued use. If a correction be applied to the recorded temperature-pressures to allow for the error, it results for an average sounding in the troposphere in an increase in the difference between the temperatures recorded at any pressure on the ascent and descent.

The effect is to make the recorded temperatures on the descent too high by about 1 degree at a height of 5 or 6 kilometers, with a tendency for the error to fall off above and below. When the mean of the two records is employed the resultant error is halved and ceases to be serious.

Some experiments were also made to determine whether in daylight the thermograph was appreciably affected by either :

(1) A trail of heated air left behind by the balloon ;
(2) Direct radiation from the sun.

The result, as far as it went, was to show that under the conditions ordinarily prevailing in regard to the suspension of the instrument and the rate of ascent of the balloon, No. (1) was negligible and No. (2) was in general quite small. Both these conclusions have since been confirmed.*

In Table 494 occur the entries "Type of Tropopause" and "H_c = Height of Tropopause." These are defined as follows :—

Type I. The stratosphere commences with an inversion, and H_c is the height of the first point of zero temperature gradient.

Type II. The stratosphere begins with an abrupt transition to a temperature gradient below 2a per kilometre without inversion, and H_c is the height of the abrupt transition.

Type III. There is no abrupt change of temperature gradient, and the base of the stratosphere is taken at the point where the mean fall of temperature for the kilometre next above is 2a or less, provided that it does not exceed 2a for any subsequent kilometre.

* *The Meteorological Magazine.* August, 1923. Page 165.

UPPER AIR TEMPERATURES.

SOUNDINGS WITH REGISTERING BALLOONS, 1923.

Lat. 51° 37′ N. Long. 1° 7′ W. Height above M.S.L. 57 metres.

494. Benson. T = Temperature in Degrees absolute above 200a. P = Pressure in millibars. H = Height in kilometres above M.S.L.

No.	422.	424.	425.	426.	428.	429.	430.	431.	432.	433.	434.	435.	436.
Date.	Feb. 6.	Feb. 8.	Feb. 9.	Feb. 12.	Feb. 14.	Feb. 15.	Feb. 16.	Feb. 17.	Mar. 8.	Apr. 2.	Apr. 3.	Apr. 4.	Apr. 6
Start G.M.T. ...	10 h. 45 m.	16 h. 53 m.	16 h. 43 m.	7 h. 12 m.	7 h. 23 m.	7 h. 13 m.	7 h. 21 m.	7 h. 24 m.	17 h. 33 m.	17 h. 55 m.	17 h. 57 m.	18 h. 06 m.	17 h. 43
H_t = Greatest Height	11·1 km.	8·3 km.	13·4 km.	9·7 km.	16·4 km.	10·9 km.	9·8 km.	11·8 km.	11·7 km.	12·8 km.	13·0 km.	11·6 km.	10·0 km
T_t = Corresponding Temperature.	212 a.	226 a.	222 a.	223 a.	223 a.	221 a.	221 a.	227 a.	221 a.	219 a.	213 a.	210 a.	216 a.
P_t = Corresponding Pressure.	215 mb.	317 mb.	149 mb.	262 mb.	95 mb.	224 mb.	261 mb.	191 mb.	190 mb.	166 mb.	161 mb.	199 mb.	250 mb
Place of Fall	Edenham, Lincs.	Brooke, Oakham.	Moreton, Ongar, Essex.	Cobham, Surrey.	Ruckinge, Ashford, Kent.	Dartford, Kent.	North-fleet, Kent.	Woking, Surrey.	Atherfield, I.O.W.	Sible, Heading-ham, Essex.	Little-hampton, Sussex.	Newbold Verdon, Leicester-shire.	Preston Upping ham, Rutland
Distance	135 km.	114 km.	92 km.	58 km.	151 km.	93 km.	103 km.	50 km.	109 km.	121 km.	97 km.	112 km.	113 km
Bearing	20°	14°	83°	122°	113°	102°	100°	130°	187°	73°	155°	351°	14°
Geostrophic Wind— Time G.M.T. ...	10 h.	18 h.	18 h.	7 h.	7 h.	7 h.	7 h.	7 h.	18 h.	18 h.	18 h.	18 h.	18 h.
Speed	20 m/s.	9 m/s.	18 m/s.	9 m/s.	8 m/s.	8 m/s.	8 m/s.	11 m/s.	13 m/s.	10 m/s.	5 m/s.	9 m/s.	8 m/s.
Deg. from N. ...	200°	250°	180°	230°	140°	160°	230°	265°	55°	115°	165°	160°	120°
Wind (Anemometer)... Speed	14·0 m/s.	4·0 m/s.	5·5 m/s.	2·0 m/s.	7·0 m/s.	1·0 m/s.	3·0 m/s.	4·5 m/s.	7·5 m/s.	1·0 m/s.	3·5 m/s.	0·5 m/s.	5·5 m/s
Deg. from N. ...	165°	235°	150°	225°	120°	140°	220°	230°	40°	90°	170°	125°	80°
Type of Tropopause	1.		1.	II.	1.	1.	1.	1.	1.	1.	1.	1.	?
H_c = Height of ,, ...	10·65 km.	—	10·77 km.	8·77 km.	10·16 km.	10·59 km.	9·68 km.	9·05 km.	9·44 km.	10·22 km.	12·00 km.	11·44 km.	9·64 km
P_c = Pressure at ,, ...	230 mb.	—	255 mb.	302 mb.	250 mb.	235 mb.	266 mb.	290 mb.	272 mb.	250 mb.	190 mb.	204 mb.	265 mb
T_c = Temp. at ,, ...	211 a.	—	215 a.	223 a.	217 a.	220 a.	219 a.	225 a.	220 a.	214 a.	211 a.	210 a.	210 a
P_9 (Pressure at 9 km.)	298 mb.	—	298 mb.	293 mb.	299 mb.	299 mb.	296 mb.	292 mb.	291 mb.	303 mb.	306 mb.	300 mb.	293 mb
P_s (Pressure at M.S.L.)	1002 mb.	980 mb.	1007 mb.	1016 mb.	1019 mb.	1015 mb.	1009 mb.	1005 mb.	1016 mb.	1021 mb.	1017 mb.	1006 mb.	1005 m
T_m (Mean Temp. 1 to 9 km.).	252 a.	—	251 a.	246 a.	249 a.	251 a.	249 a.	247 a.	244 a.	251 a.	254 a.	252 a.	248 a.

495. NOTES.

No.

422. Strong cold wind at surface low cloud developing. Pronounced inversion at 0·70 km. of about 5 degrees. Ci-Cu moving from WSW. Sky overcast.
Pressure Distribution. Large deep Low South of Iceland, nearly stationary.

424. Quiescent region behind a " V " shaped depression. Traces of a small inversion near the ground. Weather " bc."
Pressure Distribution. Large deep Low South of Iceland. A " V " shaped secondary passed over the Midlands about 8 hours previously.

425. Inversion near the ground. Isothermal patch from 1·0 to 1·3 kms. at temp. 273. Cirrus moving slowly from West. Weather " bc."
Pressure Distribution. Large Low off Ireland. Secondary over Holland moving East. Quiescent region between in which the sounding was made.

426. Inversion of about 4 degrees near the ground. Another at 2·4 km. of 1 degree. Cirrus nearly stationary. Weather " bx." Calm.
Pressure Distribution. A Low situated WSW of Ireland, Low over the Mediterranean, High over Spain and Scandinavia. Quiescent region over France. A second developing off Land's End.

428. Traces of an inversion below 0·5 km. Small inversion at about 3·5 km. A.Cu. from West at 9 h. Weather overcast with St. and A. St.
Pressure Distribution. A large shallow Low over Atlantic. Small High over Spain. Small secondary over the Channel moving East.

429. Marked inversion near the ground. A small isothermal patch occurred below the base of the Stratosphere, Ht. 9·45 km., Temp. 223·5 a. Alto clouds nearly station Weather overcast with alto and lower clouds.
Pressure Distribution. Large shallow Low West of Ireland. Quiescent region over France.

430. Marked inversion below 0·3 km. Small but definite inversion at 4·6 km. of about 1 degree. Weather " b."
Pressure Distribution. Large shallow Low WNW of Ireland. Region of indeterminate gradients around the Straits of Dover and South East England.

431. Traces of an inversion near the ground. Weather " bc."
Pressure Distribution. Large shallow Low SW of Iceland. Small Low over the Irish Sea.

432. Weather overcast, with low clouds.
Pressure Distribution. High to the North of Scotland, Low over Germany.

433. Traces of a small inversion near the ground. Small isothermal patch at 2·3 km. Small inversion at 3·3 km. Weather " cz " with St. and Cu. clouds.
Pressure Distribution. High over Scandinavia, Low to the South West of Iceland.

434. Marked inversion at 4·3 km. Brief slackening of temperature gradient at 6·7 km. Weather " oz " with St. and Cu. clouds. Shower soon after ascent.
Pressure Distribution. High over Scandinavia, Low over Iceland. Indefinite gradients over the Bay of Biscay.

435. Inversion near ground on descent. Small inversion at 4·3 km., trace of a smaller one at 5·1 km. Weather " c, " with A.Cu. and St.-Cu. clouds.
Pressure Distribution. A shallow low region covering the West of England, Ireland and Channel developing into a more pronounced Low over the mouth of Channel.

436. Small inversions on descent at 0·9 km. and 1·5 km. Weather overcast with slight rain and a sheet of Stratus at about 1 km.
Pressure Distribution. A Low off Ireland slowly moving East. Small Low over France producing an Easterly gradient over Benson.

UPPER AIR TEMPERATURES.

SOUNDINGS WITH REGISTERING BALLOONS, 1923.

Lat. 51° 37′ N. Long. 1° 7′ W. Height above M.S.L. 57 metres.

494. Benson. T = Temperature in Degrees absolute above 200a. P = Pressure in millibars. H = Height in kilometres above M.S.L.

No.	437.	438.	439.	447.	448.	449.	450.	451.	454.*	456.	458.	466.†
Date.	April 24.	May 3.	May 24.	July 5.	July 6.	Aug. 4.	Aug. 6.	Aug. 7.	Sept. 14.	Sept. 27.	Sept. 28.	Dec. 11.
Start G.M.T.	18 h. 08 m.	17 h. 47 m.	14 h. 40 m.	18 h. 27 m.	16 h. 52 m.	15 h. 46 m.	7 h. 19 m.	7 h. 20 m.	15 h. 00 m.	18 h. 08 m.	17 h. 58 m.	15 h. 43 m.
H_t = Greatest Height ...	9·7 km.	12·2 km.	5·5 km.	18·0 km.	17·9 km.	15·8 km.	9·7 km.	14·9 km.	14·2 km.	6·6 km.	16·2 km.	4·2 km.
T_t = Corresponding Temp.—	217 a.	210 a.	256 a.	223 a.	219 a.	219 a.	225 a.	228 a.	224 a.	257 a.	210 a.	263 a.
P_t = Corresponding Pressure	271 mb.	193 mb.	509 mb.	79 mb.	81 mb.	114 mb.	281 mb.	131 mb.	133 mb.	450 mb.	103 mb.	605 mb.
Place of Fall	Horsham, Sussex.	South Godstone, Surrey.	Woking-ham, Berks.	Preston, Hitchin, Herts.	Stewkley, Leighton Buzzard.	Millhill, Middle-sex.	Gerrard's Cross, Bucks.	Great Saling, Braintree, Essex.	Hexham, Northum-berland.	Bulphan, Essex.	Newchurch Romney Marsh, Kent.	Barnes, Middlesex.
Distance	81 km.	90 km.	28 km.	65 km.	41 km.	58 km.	38 km.	101 km.	185 km.	100 km.	154 km.	6 km.
Bearing	139°	120°	142°	60°	36°	88°	95°	74°	18°	100°	114°	80°
Geostrophic Wind— Time G.M.T.	18h.	18 h.	13 h.	18 h.	18 h.	18 h.	7 h.	7 h.	13 h.	18 h.	18 h.	18 h.
Speed	5 m/s.	8 m/s.	<5 m/s.	6 m/s.	10 m/s.	5 m/s.	4 m/s.	8 m/s.	7 m/s.	8 m/s.	5 m/s.	8 m/s.
Deg. from N.	225°	225°	indefinite	180°	135°	200°	285°	260°	250°	240°	300°	215°
Wind (Anemometer)— Speed	1·0 m/s.	6·0 m/s.	1·5 m/s.	1·0 m/s.	6·5 m/s.	3·5 m/s.	2·5 m/s.	2·5 m/s.	—	5·0 m/s.	2·5 m/s.	1·0 m/s.
Deg. from N.	295°	190°	330°	135°	110°	210°	285°	220°	—	220°	270°	170°
Type of Tropopause	—	I.	—	I.	III.	I.	—	I.	I.	—	I.	—
H_c = Height of „ ...	—	11·98 km.	—	12·09 km.	11·39 km.	12·08 km.	—	12·29 km.	9·67 km.	—	13·52 km.	—
P_c = Pressure at „ ...	—	199 mb.	—	201 mb.	225 mb.	205 mb.	—	195 mb.	268 mb.	—	161 mb.	—
T_c = Temp. at „ ...	—	209 a.	—	213 a.	221 a.	217 a.	—	219 a.	219 a.	—	206 a.	—
P_9 = Pressure at 9 km. ...	301 mb.	316 mb.	—	322 mb.	322 mb.	326 mb.	314 mb.	321 mb.	297 mb.	—	325 mb.	—
P_s (Pressure at M.S.L.) ...	1018 mb.	1018 mb.	1022 mb.	1020 mb.	1019 mb.	1024 mb.	1019 mb.	1017 mb.	1000 mb.	1025 mb.	1027 mb.	1027 mb.
T_m (Mean Temp. 1 to 9 km.)...	251 a.	261 a.	—	265 a.	265 a.	267 a.	260 a.	265 a.	252 a.	—	266 a.	—

* Ascent from Liverpool—lat. 53° 24′ N.; long. 2° 58′ W. † Ascent from Kew—lat. 51° 28′ N.; long. 0° 19′ W.

495. NOTES.

No.

437. Inversion at about 2·2 km. Isothermal patch from 2·8–3·2 km. Very small lapse rate between 2·2 and 4·4 km. Weather " cz " with A. Cu. not lower than 2·5 km.
Pressure Distribution. A Low South of Iceland, travelling East. Region of indefinite gradients over the Channel.

438. Inversion on descent at something below 0·35 km. Weather " b " with Cirrus and A. Cu. moving from WNW.
Pressure Distribution. Several Highs to the South East, South West, and West of the Southern part of England. Low over Iceland.

439. Inversion at 2·25 km. A lapse rate of temperature of 13·5 degrees per km. was found on the ascent between 0·3 and 0·7 km. Weather " bc " with Cu. clouds nearly stationary.
Pressure Distribution. A High over Atlantic, Low over the Faroes moving South East. Gradient over Southern England somewhat indefinite.

447. Small inversion near the ground. Traces of another small one at 1·6 km. Weather " b " with A. Cu. moving very slowly from South West.
Pressure Distribution. High over Baltic, a Low West of Spain. Very small and indefinite gradients over British Isles.

448. Traces of an inversion near the ground. Small inversion at about 1·2 km. Weather " b " with Ci. St.
Pressure Distribution. High over Baltic, a Low South West of Ireland. Slight gradients over the British Isles.

449. Inversion at 1·6 km. Isothermal patch 2·24 to 2·66 km. Weather "b." Very little wind in lower layers, with A. Cu. and Ci. Cu. nearly stationary.
Pressure Distribution. A High over South East England and Belgium. A Low West of Ireland moving North East.

450. Isothermal patches 1·85–2·10 km. and 2·64–2·97 km. Weather " b." Cirrus moving slowly from West.
Pressure Distribution. Region of slight indefinite gradients. A Low South of Iceland.

451. Isothermal patch 1·85–2·21 km. Well marked inversion of about 1 degree at 4·7 km. Weather cloudy. St. Cu. sheet at about 2 km. St. Cu. and A.Cu. moving from West South West.
Pressure Distribution. A Low South of Iceland, quiescent region over France.

454. Isothermal patch 1·22 to 1·70 km. Small inversion at 3·9 km.
Pressure Distribution. A Low off the Hebrides moving North East.

456. Inversion of 3 degrees near the ground. Another of 2 degrees at 0·9 km. with an isothermal patch above it from 1·2 to 1·8 km. Weather overcast, with low Stratus.
Pressure Distribution. A Low South of Iceland. A High over Germany.

458. Several small inversions and isothermal patches between 1 and 4 km. Weather overcast, with low Stratus at about 0·3 km.
Pressure Distribution. Extensive Anticyclone centered over Eastern France and including the South of England in its central area.

466. Inversion at 1·3 km. with steady rise of temperature to 2 km. Weather " om."
Pressure Distribution. Deep depression over Iceland, High over France and Germany.

T = Temperature in Degrees Absolute. P = Pressure in millibars. H = Height in kilometres above M.S.L.

No.	422.	424.	425.	426.	428.	429.	430.	431.	432.	433.	434.	435.
Date.	Feb. 6.	Feb. 8.	Feb. 9.	Feb. 12.	Feb. 14.	Feb. 15.	Feb. 16.	Feb. 17.	Mar. 8.	April 2.	April 3.	April 4
Start (G.M.T.)	10·45	16·53	16·43	7·12	7·23	7·13	7·21	7·24	17·33	17·55	17·57	18·06

496. Benson. HEIGHTS AND TEMPERATURES CORRESPONDING WITH ISOBARIC SURFACES. 192

Pressure	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*	*T.*	*H.*
Millibars.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.
100	...	...	...	...	...	...	...	...	16·08	23	...	...	...	...	...	...	...	...	...	...	...	...	...
200	...	...	...	...	11·52	17	...	...	11·58	21	...	...	...	...	11·51	26	11·40	20	11·63	18	11·69	11	11·56
300	8·96	23	...	...	8·94	23	8·86	22	8·99	23	8·99	26	8·90	23	8·84	25	8·80	21	9·06	21	9·11	26	9·00
400	7·03	38	6·75	36	7·00	39	6·96	30	7·05	36	7·05	36	6·97	36	6·90	36	6·91	31	7·14	36	7·14	42	7·03
500	5·43	52	5·17	49	5·40	50	5·42	43	5·48	46	5·47	49	5·40	48	5·33	44	5·38	41	5·56	49	5·53	54	5·44
600	4·07	59	3·84	55	4·04	57	4·10	54	4·14	57	4·12	58	4·05	54	4·01	52	4·07	51	4·21	57	4·17	56	4·09
700	2·88	68	2·67	62	2·88	64	2·93	63	2·97	62	2·94	64	3·90	61	2·85	60	2·92	59	3·04	65	3·00	64	2·92
800	1·82	76	1·63	69	1·84	69	1·90	66	1·93	69	1·90	69	1·86	68	1·82	67	1·90	65	1·99	71	1·95	71	1·87
900	0·86	75	0·70	75	0·91	74	0·97	73	0·99	73	0·96	74	0·92	75	0·89	74	0·97	72	1·04	79	1·00	79	0·92
1000	...	...	...	...	...	...	0·13	...	0·14	...	0·12	...	0·07	...	...	...	0·14	...	0·18	...	0·13	...	...

497. Benson. PRESSURES AND TEMPERATURES AT GIVEN HEIGHTS. 192

Height.	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*	*T.*	*P.*
Kilometres.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.
18·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16·0	...	...	...	...	...	...	...	...	101	23	...	...	...	...	...	...	...	...	...	...	...	...	...
15·0	...	...	...	...	...	...	...	...	118	23	...	...	...	...	...	...	...	...	...	...	...	...	...
14·0	...	...	...	...	...	...	...	...	138	23	...	...	...	...	...	...	...	...	...	...	...	...	...
13·0	...	...	...	...	159	22	...	...	161	23	...	...	...	...	...	...	...	...	...	...	103	13	...
12·0	...	...	...	...	185	19	...	...	187	22	...	...	...	...	...	...	...	...	189	19	190	11	...
11·0	217	11	...	...	217	14	...	...	219	20	...	...	...	...	216	27	213	21	221	16	223	13	219
10·0	255	15	...	...	255	15	...	...	256	17	257	22	...	...	251	26	249	21	259	15	262	19	257
9·0	298	23	...	...	298	23	293	23	299	23	299	26	296	22	292	25	291	21	303	21	306	26	300
8·0	347	30	333	27	346	30	342	25	348	29	348	31	344	29	340	29	340	25	352	29	354	35	348
7·0	402	38	386	34	400	39	398	30	403	36	403	37	399	35	394	35	395	30	408	37	409	43	402
6·0	462	47	446	41	461	47	460	37	465	43	464	46	459	43	455	40	457	35	470	46	469	50	463
5·0	529	53	512	50	528	53	530	46	534	50	533	52	528	51	524	47	527	44	540	52	537	57	531
4·0	606	59	587	55	604	57	607	55	611	58	609	59	604	54	602	52	606	52	617	59	614	57	607
3·0	689	67	671	60	689	63	694	63	697	62	695	63	690	61	686	59	693	59	704	65	700	64	692
2·5	734	71	716	63	735	65	740	63	744	66	741	67	736	64	733	63	740	61	750	69	746	67	738
2·0	781	75	763	67	784	69	789	66	793	69	790	69	786	67	782	66	789	64	799	71	795	71	787
1·5	831	77	813	69	835	71	841	68	844	71	842	71	837	71	834	69	841	68	850	74	849	75	837
1·0	885	77	866	73	889	73	896	73	899	73	896	74	891	74	887	73	896	71	905	78	900	79	891
0·5	941	...	922	77	946	78	955	...	957	...	954	77	949	77	945	77	955	...	962	82	959	...	949
G.L. ...	995	77	973	79	999	79	1009	72	1011	77	1007	74	1002	74	998	76	1008	78	1014	85	1009	85	999

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree and are shown to the nearest whole degree.

498. Benson. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN HEIGHTS. 192

Degrees absolute per kilometre.

Kilometres												
17 to 18	...	...	...	...	...	...	...	...	...	...	...	...
16 to 17	...	...	...	...	...	...	...	...	...	...	...	...
15 to 16	...	...	...	...	−0·5	...	...	...	...	...	...	...
14 to 15	...	...	...	...	0·0	...	...	...	...	...	...	...
13 to 14	...	...	...	...	0·5	...	...	...	...	...	...	...
12 to 13	...	...	−3·0	...	−1·0	...	...	...	...	...	−1·5	...
11 to 12	...	...	−5·0	...	−2·0	...	...	...	...	−2·5	1·5	...
10 to 11	3·5	...	1·0	...	−3·5	...	...	−0·5	0·0	−0·5	7·0	6·
9 to 10	7·5	...	7·5	...	6·5	4·0	...	−1·0	−0·5	6·0	6·5	8·
8 to 9	7·5	...	7·5	2·5	6·5	4·5	7·0	3·5	4·5	7·5	9·0	8·
7 to 8	8·0	6·5	9·0	5·0	6·5	6·5	6·5	6·5	5·0	8·0	8·0	5·
6 to 7	9·0	7·5	7·5	7·5	7·0	9·0	7·5	5·0	5·0	9·0	7·0	8·
5 to 6	6·5	8·5	6·5	8·5	7·0	6·0	8·0	6·5	9·0	6·0	7·5	7·
4 to 5	6·0	5·0	4·0	9·0	8·0	6·5	3·0	5·5	8·0	7·0	0·0	2·
3 to 4	7·5	5·0	6·0	7·5	4·0	4·5	6·5	7·0	7·0	6·5	6·5	7·
2·5 to 3·0	8·0	6·0	5·0	1·0	8·0	8·0	7·0	8·0	5·0	6·0	6·0	9·
2·0 to 2·5	8·0	7·0	6·0	6·0	6·0	4·0	6·0	6·0	5·0	4·0	8·0	8·
1·5 to 2·0	4·0	6·0	6·0	4·0	4·0	4·0	7·0	7·0	8·0	7·0	8·0	6·
1·0 to 1·5	−1·0	7·0	4·0	10·0	3·0	6·0	7·0	7·0	7·0	8·0	9·0	7·
0·5 to 1·0	1·0	8·0	9·0	1·0	5·0	6·0	7·0	8·0	7·0	8·0	6·0	7·
Surface 0·5		5·5	2·0			−7·0	−8·0	−2·0		7·0		9·

Note. The lapse rates are derived from the original tabulations which are generally made to the nearest half-degree.

T=Temperature in Degrees Absolute. P=Pressure in millibars. H=Height in kilometres above M.S.L.

No.	436.	437.	438.	439.	447.	448.	449.	450.	451.	454.	456.	458.	466.
Date.	April 6.	April 24.	May 3.	May 24.	July 5.	July 6.	Aug. 4.	Aug. 6.	Aug. 7.	Sept. 14.	Sept. 27.	Sept. 28.	Dec. 11.
Start (G.M.T.)	17·43	18·8	17·47	14·40	18·27	16·52	15·46	7·19	7·20	15·0	18·8	17·58	15·43

496. Benson. HEIGHTS AND TEMPERATURES CORRESPONDING WITH ISOBARIC SURFACES—*continued.* **1923.**

Pressure.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.	H.	T.
Millibars.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.	km.	a.
100	...	...	...	...	...	...	...	...	16·51	19	16·57	18	...	...	...	...	...	...	...	...	...	...	...	...
200	...	...	...	...	11·95	9	...	...	12·12	13	12·15	19	12·24	17	...	...	12·13	19	11·57	24	...	...	12·19	13
300	8·85	19	9·02	22	9·36	29	...	...	9·50	32	9·50	31	9·58	35	9·31	28	9·47	34	8·94	23	...	...	9·55	33
400	6·95	34	7·09	38	7·36	45	...	...	7·48	49	7·48	47	7·53	51	7·33	44	7·43	50	7·00	39	...	...	7·52	51
500	5·39	47	5·49	51	5·72	57	...	...	5·81	61	5·83	61	5·85	63	5·70	56	5·75	63	5·40	51	5·84	61	5·84	62
600	4·04	57	4·13	59	4·33	66	4·24	61	4·41	67	4·42	69	4·43	71	4·31	66	4·34	69	4·04	60	4·43	71	4·42	72
700	2·87	65	2·95	63	3·11	73	3·05	68	3·19	77	3·19	78	3·19	78	3·09	75	3·11	77	2·86	66	3·19	78	3·19	79
800	1·82	71	1·92	65	2·03	81	2·00	69	2·08	86	2·08	87	2·08	83	2·00	79	2·01	82	1·80	73	2·08	87	2·09	83
900	0·89	75	1·00	74	1·05	88	1·06	78	1·09	91	1·08	93	1·11	87	1·04	82	1·03	86	0·86	75	1·10	88	1·11	85
1000	...	...	0·14	...	0·15	...	0·19	...	0·17	...	0·16	...	0·20	95	0·16	...	0·15	...	0·00	...	0·21	...	0·23	89

Pressure.	H.	T.	H.	T.	H.	T.
Millibars.	km.	a.	km.	a.	km.	a.
100	...	...	...	...	...	...
200	...	...	12·19	13	...	...
300	9·55	33	...	...	...	...
400	7·52	51	...	...	...	...
500	5·84	62	...	...	...	...
600	4·42	72	...	...	...	...
700	3·19	79	3·08	69	...	...
800	2·09	83	2·01	74	...	...
900	1·11	85	1·07	73	...	...
1000	0·23	89	0·23	79	...	...

497. Benson. PRESSURES AND TEMPERATURES AT GIVEN HEIGHTS—*continued.* **1923.**

Heights.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.	P.	T.
Kilometres.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.	mb.	a.
18·0	...	...	...	...	...	...	...	...	79	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17·0	...	...	...	...	...	...	...	...	93	19	93	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16·0	...	...	...	...	...	...	...	...	109	19	109	18	...	...	...	...	...	...	...	...	...	...	107	10	...	...
15·0	...	...	...	...	...	...	...	...	127	18	128	18	129	19	...	...	...	...	...	...	...	...	126	8	...	...
14·0	...	...	...	...	...	...	...	...	148	18	149	19	151	18	...	...	150	23	138	24	...	...	149	6	...	...
13·0	...	...	...	...	...	...	...	...	174	17	175	18	177	17	...	...	175	21	161	25	...	...	175	8	...	...
12·0	...	...	...	...	198	9	...	...	204	13	205	19	207	17	...	...	204	19	188	25	...	...	206	15	...	...
11·0	...	...	...	...	233	15	...	...	239	19	239	21	243	23	...	...	238	22	219	24	...	...	241	21	...	...
10·0	250	16	...	...	272	23	...	...	278	27	278	27	282	31	...	...	277	29	255	20	...	...	281	29	...	...
9·0	293	18	301	21	316	31	...	...	322	36	322	35	326	40	314	30	321	39	297	23	...	...	325	23	...	...
8·0	342	25	350	30	366	41	...	...	372	45	372	43	375	48	363	38	369	45	346	31	...	...	374	47	...	...
7·0	397	34	405	39	420	48	...	...	427	53	427	51	429	55	418	47	424	53	400	39	...	...	429	55	...	...
6·0	459	42	466	47	482	55	...	...	488	59	489	60	490	61	480	54	484	61	460	47	490	61	490	61	...	...
5·0	527	50	534	55	550	61	543	58	556	65	557	66	558	68	548	60	551	67	527	53	558	67	557	68	...	...
4·0	604	57	611	59	626	67	619	63	632	71	632	71	633	75	624	69	625	71	603	60	633	74	632	73	621	64
3·0	688	63	696	63	710	73	705	68	716	79	716	79	716	80	708	75	709	77	687	65	716	80	716	79	707	69
2·5	734	67	743	65	755	77	751	70	760	83	760	84	760	82	753	77	753	81	732	67	761	84	761	80	753	72
2·0	782	70	792	64	803	81	800	69	807	87	808	88	808	83	800	79	801	82	780	71	808	87	809	83	801	74
1·5	833	71	844	69	853	85	851	74	857	87	857	90	858	83	850	81	850	84	831	73	858	89	859	83	853	73
1·0	887	73	900	73	906	89	906	78	909	92	908	95	911	88	904	83	903	86	885	75	910	87	912	86	908	73
0·5	944	77	957	78	961	93	963	83	963	97	962	99	967	93	961	...	959	89	941	79	966	89	968	89	966	78
M.L....	998	79	1010	80	1011	93	1015	86	1014	99	1013	...	1018	97	1012	87	1010	89	...	...	1018	88	1020	91	1026	81

Heights.	P.	T.	P.	T.	P.	T.
Kilometres.	mb.	a.	mb.	a.	mb.	a.
18·0	...	...	...	...	...	...
17·0	...	...	...	...	...	...
16·0	...	...	...	...	...	...
15·0	...	...	126	8	...	...
14·0	...	...	149	6	...	...
13·0	...	...	175	8	...	...
12·0	...	...	206	15	...	...
11·0	...	...	241	21	...	...
10·0	...	...	281	29	...	...
9·0	...	...	325	23	...	...
8·0	...	...	374	47	...	...
7·0	...	...	429	55	...	...
6·0	...	...	490	61	...	...
5·0	558	67	557	68	...	...
4·0	633	74	632	73	621	64
3·0	716	80	716	79	707	69
2·5	761	84	761	80	753	72
2·0	808	87	809	83	801	74
1·5	858	89	859	83	853	73
1·0	910	87	912	86	908	73
0·5	966	89	968	89	966	78
M.L....	1018	88	1020	91	1026	81

Note.—The temperatures are derived from the original tabulations which are generally made to the nearest half-degree and are shown to the nearest whole degree.

498. Benson. LAPSE RATE OF TEMPERATURE BETWEEN GIVEN HEIGHTS—*continued.* **1923.**
Degrees absolute per kilometre.

Kilometres.													
17 to 18	...	...	...	...	−2·5	...	...	...	...	...	...	...	...
16 to 17	...	...	...	...	−1·0	−1·0	...	...	...	...	...	...	...
15 to 16	...	...	...	...	−0·5	0·0	...	...	...	...	...	−2·0	...
14 to 15	...	...	...	...	0·0	1·0	−0·5	...	...	...	...	−2·0	...
13 to 14	...	...	...	...	−0·5	−1·0	−1·0	...	−2·0	0·5	...	2·0	...
12 to 13	...	...	...	...	−5·0	1·0	−0·5	...	−1·5	0·5	...	6·5	...
11 to 12	...	...	5·5	...	6·5	2·5	6·5	...	2·5	−1·0	...	7·0	...
10 to 11	...	...	8·5	...	8·0	5·5	7·5	...	7·0	−4·0	...	7·5	...
9 to 10	2·0	...	8·0	...	9·0	8·0	9·5	...	9·5	3·0	...	9·0	...
8 to 9	7·0	8·5	9·0	...	8·5	8·0	8·0	8·0	6·5	7·5	...	9·0	...
7 to 8	9·0	8·5	7·5	...	8·0	8·0	7·0	9·0	8·5	9·0	...	7·5	...
6 to 7	8·0	8·5	7·0	...	7·0	9·0	6·5	7·0	7·5	7·5	...	6·5	...
5 to 6	8·0	7·5	6·5	...	5·5	6·0	6·5	6·0	6·5	6·0	6·0	7·0	...
4 to 5	7·5	5·0	6·0	4·5	5·5	5·5	7·0	8·5	4·0	7·0	7·5	5·0	...
3 to 4	6·0	3·0	6·0	5·5	8·5	8·0	5·0	7·0	5·5	4·5	6·0	6·0	5·5
3 to 3·0	7·0	4·0	7·0	3·0	8·0	9·0	4·0	2·0	7·0	5·0	8·0	2·0	5·0
3·0 to 2·5	6·0	−1·0	9·0	−1·5	7·0	8·0	2·0	5·0	3·0	8·0	7·0	7·0	4·0
2·5 to 2·0	2·0	9·0	8·0	9·0	1·0	4·0	1·0	3·0	4·0	4·0	2·0	0·0	−3·0
2·0 to 1·5	5·0	10·0	6·0	9·0	10·0	9·0	9·0	4·0	4·0	3·0	−4·0	5·0	2·0
1·5 to 1·0	8·0	10·0	8·0	10·0	11·0	8·0	10·0	5·5	5·0	9·0	6·0	5·0	0·0
Surface to 0·5	3·5	4·5	1·0	5·5	2·0	...	9·0		2·0	...	−4·5	5·5	7·0

Note.—The lapse rates are derived from the original tabulations which are generally made to the nearest half-degree.

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